

47

W-15-1

16092 C3 C5

CS: 16092

ID: C3 C5 W-15-1

Request
Borrow
SUS-BASE

BORROW REQUIREMENTS			
STA TO STA	AMOUNT REQ'D	AMOUNT AVAILABLE	SOILS SERIES
10-25 + 7.0 -	11,647cy 250,000 cy	Kalkaska	PIRSE SE 1/4 of SE 1/4 Sec 35, T38N, R3W.
10-25 + 7.0 - 10-26	73,585cy 175,000 cy	Westford	PIRSE S 1/2 of SE 1/4 or Sec 25, T38N, R3W. 10 mi. to SW 1/4 of Sec 25
10-26 + 7.0 -	17,265cy 100,000 cy	Kalkaska	PIRSE NE 1/4 of SE 1/4 Sec 32, T38N, R3W. 0.5 mi. to SW 1/4 of Sec 32
10-26 + 7.0 - 10-27	1,199cy		PIRSE S 1/2 of SE 1/4 Sec 32, T38N, R3W.
10-27 + 7.0 -	41,712cy 70,000 cy	Roxbury	PIRSE NW 1/4 of SE 1/4 Sec 26, T37N, R3W.
10-27 + 7.0 - 10-28	7.2 cy		"
10-28 + 7.0 -	47.17 cy		"
10-28 + 7.0 - 10-29	9.0 cy		"
10-29 + 7.0 -	6.60 cy		"
10-29 + 7.0 - 10-30	4.00 cy		"
10-30 + 7.0 -	1.07 cy		"
10-30 + 7.0 - 10-31	7.13 cy		"
10-31 + 7.0 -	1.03 cy		"
10-31 + 7.0 - 10-32	1.03 cy		"
10-32 + 7.0 -	1.03 cy		"
10-32 + 7.0 - 10-33	1.03 cy		"
10-33 + 7.0 -	1.03 cy		"
10-33 + 7.0 - 10-34	1.03 cy		"
10-34 + 7.0 -	1.03 cy		"
10-34 + 7.0 - 10-35	1.03 cy		"
10-35 + 7.0 -	1.03 cy		"
10-35 + 7.0 - 10-36	1.03 cy		"
10-36 + 7.0 -	1.03 cy		"
10-36 + 7.0 - 10-37	1.03 cy		"
10-37 + 7.0 -	1.03 cy		"
10-37 + 7.0 - 10-38	1.03 cy		"
10-38 + 7.0 -	1.03 cy		"
10-38 + 7.0 - 10-39	1.03 cy		"
10-39 + 7.0 -	1.03 cy		"
10-39 + 7.0 - 10-40	1.03 cy		"
10-40 + 7.0 -	1.03 cy		"
10-40 + 7.0 - 10-41	1.03 cy		"
10-41 + 7.0 -	1.03 cy		"
10-41 + 7.0 - 10-42	1.03 cy		"
10-42 + 7.0 -	1.03 cy		"
10-42 + 7.0 - 10-43	1.03 cy		"
10-43 + 7.0 -	1.03 cy		"
10-43 + 7.0 - 10-44	1.03 cy		"
10-44 + 7.0 -	1.03 cy		"
10-44 + 7.0 - 10-45	1.03 cy		"
10-45 + 7.0 -	1.03 cy		"
10-45 + 7.0 - 10-46	1.03 cy		"
10-46 + 7.0 -	1.03 cy		"
10-46 + 7.0 - 10-47	1.03 cy		"
10-47 + 7.0 -	1.03 cy		"
10-47 + 7.0 - 10-48	1.03 cy		"
10-48 + 7.0 -	1.03 cy		"
10-48 + 7.0 - 10-49	1.03 cy		"
10-49 + 7.0 -	1.03 cy		"
10-49 + 7.0 - 10-50	1.03 cy		"
10-50 + 7.0 -	1.03 cy		"
10-50 + 7.0 - 10-51	1.03 cy		"
10-51 + 7.0 -	1.03 cy		"
10-51 + 7.0 - 10-52	1.03 cy		"
10-52 + 7.0 -	1.03 cy		"
10-52 + 7.0 - 10-53	1.03 cy		"
10-53 + 7.0 -	1.03 cy		"
10-53 + 7.0 - 10-54	1.03 cy		"
10-54 + 7.0 -	1.03 cy		"
10-54 + 7.0 - 10-55	1.03 cy		"
10-55 + 7.0 -	1.03 cy		"
10-55 + 7.0 - 10-56	1.03 cy		"
10-56 + 7.0 -	1.03 cy		"
10-56 + 7.0 - 10-57	1.03 cy		"
10-57 + 7.0 -	1.03 cy		"
10-57 + 7.0 - 10-58	1.03 cy		"
10-58 + 7.0 -	1.03 cy		"
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10-62 + 7.0 -	1.03 cy		"
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10-64 + 7.0 -	1.03 cy		"
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10-79 + 7.0 -	1.03 cy		"
10-79 + 7.0 - 10-80	1.03 cy		"
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10-80 + 7.0 - 10-81	1.03 cy		"
10-81 + 7.0 -	1.03 cy		"
10-81 + 7.0 - 10-82	1.03 cy		"
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10-83 + 7.0 - 10-84	1.03 cy		"
10-84 + 7.0 -	1.03 cy		"
10-84 + 7.0 - 10-85	1.03 cy		"
10-85 + 7.0 -	1.03 cy		"
10-85 + 7.0 - 10-86	1.03 cy		"
10-86 + 7.0 -	1.03 cy		"
10-86 + 7.0 - 10-87	1.03 cy		"
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10-88 + 7.0 - 10-89	1.03 cy		"
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10-91 + 7.0 -	1.03 cy		"
10-91 + 7.0 - 10-92	1.03 cy		"
10-92 + 7.0 -	1.03 cy		"
10-92 + 7.0 - 10-93	1.03 cy		"
10-93 + 7.0 -	1.03 cy		"
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10-94 + 7.0 -	1.03 cy		"
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10-95 + 7.0 -	1.03 cy		"
10-95 + 7.0 - 10-96	1.03 cy		"
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10-96 + 7.0 - 10-97	1.03 cy		"
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10-98 + 7.0 -	1.03 cy		"
10-98 + 7.0 - 10-99	1.03 cy		"
10-99 + 7.0 -	1.03 cy		"
10-99 + 7.0 - 10-100	1.03 cy		"
10-100 + 7.0 -	1.03 cy		"
10-100 + 7.0 - 10-101	1.03 cy		"
10-101 + 7.0 -	1.03 cy		"
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10-102 + 7.0 - 10-103	1.03 cy		"
10-103 + 7.0 -	1.03 cy		"
10-103 + 7.0 - 10-104	1.03 cy		"
10-104 + 7.0 -	1.03 cy		"
10-104 + 7.0 - 10-105	1.03 cy		"
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10-105 + 7.0 - 10-106	1.03 cy		"
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10-107 + 7.0 - 10-108	1.03 cy		"
10-108 + 7.0 -	1.03 cy		"
10-108 + 7.0 - 10-109	1.03 cy		"
10-109 + 7.0 -	1.03 cy		"
10-109 + 7.0 - 10-110	1.03		

TYPICAL CROSS-SECTIONS

NOTES

All unsodded slopes and ditches shall be mulched at the rate of 3 tons per acre and Seeded (Class 3 Seeding). Topsoil shall be removed and stockpiled as directed by the Engineer for use as Topsoil Surface.

Class B Slopes will be required on this project.

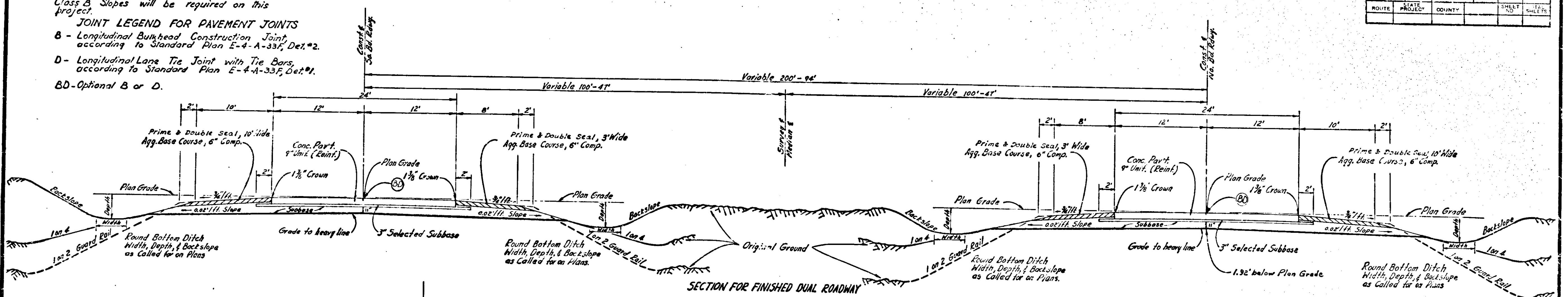
JOINT LEGEND FOR PAVEMENT JOINTS

- B - Longitudinal Bulkhead Construction Joint, according to Standard Plan E-4-A-33F, Det. #2.**

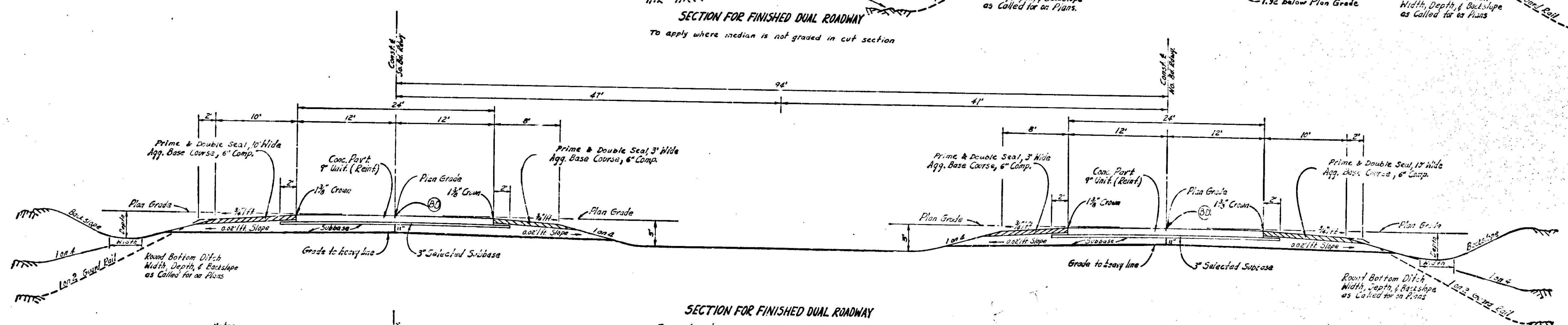
D - Longitudinal Lane Tie Joint with Tie Bars, according to Standard Plan E-4-A-33F, Det. #1.

BD - Optional B or D.

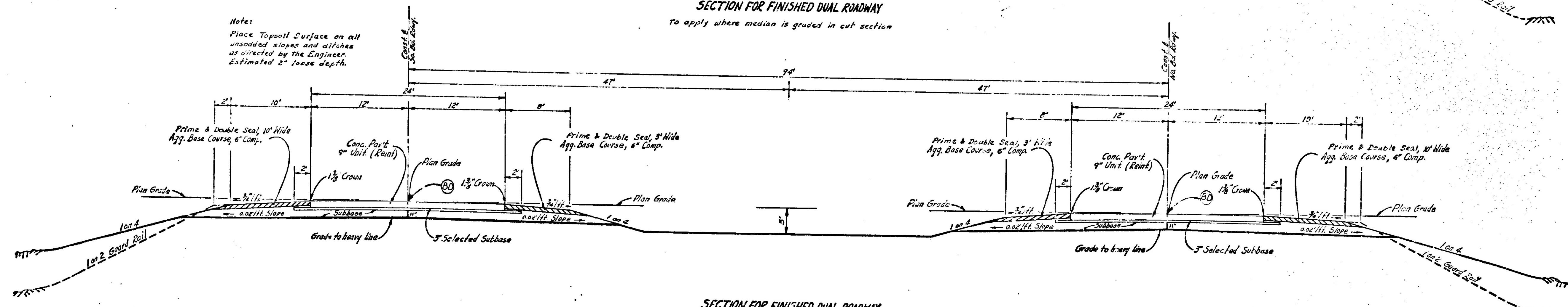
P.R. NO.	STATE	PROJ. NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
TE	STATE PROJECT	COUNTY	TWP.	SHEET NO.	TOTAL SHEETS
4	MICH.	J-75-5(6)-313			
27	16092	CHEBOYGAN MONROE MICHIGAN		2	
P.R. NO.	STATE	PROJ. NO	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
TE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS



SECTION FOR FINISHED DUAL ROADWAY



SECTION FOR FINISHED DUAL ROADWAY



SECTION FOR FINISHED DUAL ROADWAY

Scale 1'

V-15-1	STATE PROJECT	FEDERAL PROJECT	SHEET NO
	16092	I-75-566-33	2

TYPICAL CROSS-SECTIONS

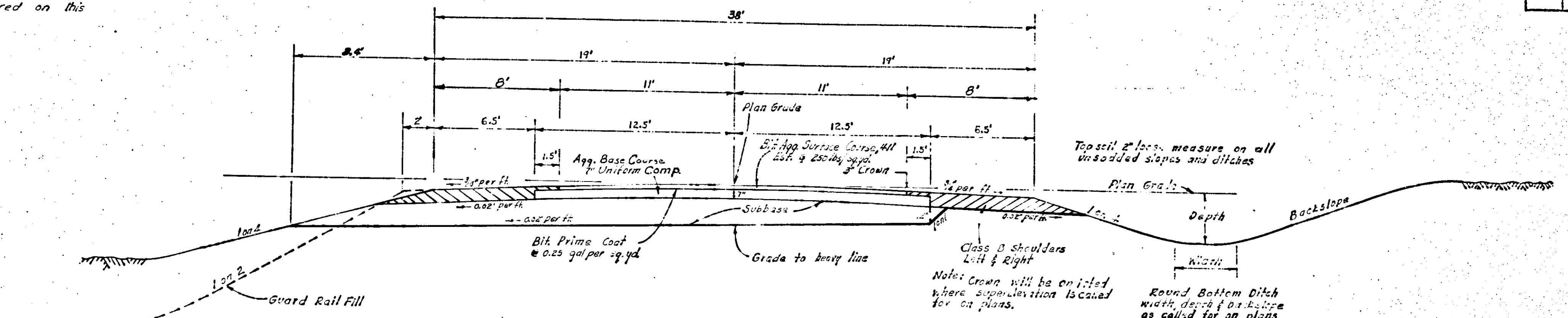
NOTES
For ditches other than shown on this sheet,
see Standard Plan E-4-A-260.

All unsodded slopes and ditches shall be
mulched at the rate of 3 tons per acre
and Seeded (Class 3 Seeding).
Topsoil shall be removed and stockpiled as
directed by the Engineer for use as top-
soil surface.

Class B Slopes will be required on this
project.

ROUTE	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	E-75-301-313			
ROUTE	STATE	PROJECT	ROUTE	SHEET NO.	TOTAL SHEETS
US27	MI	16092	LEVERING	2A	

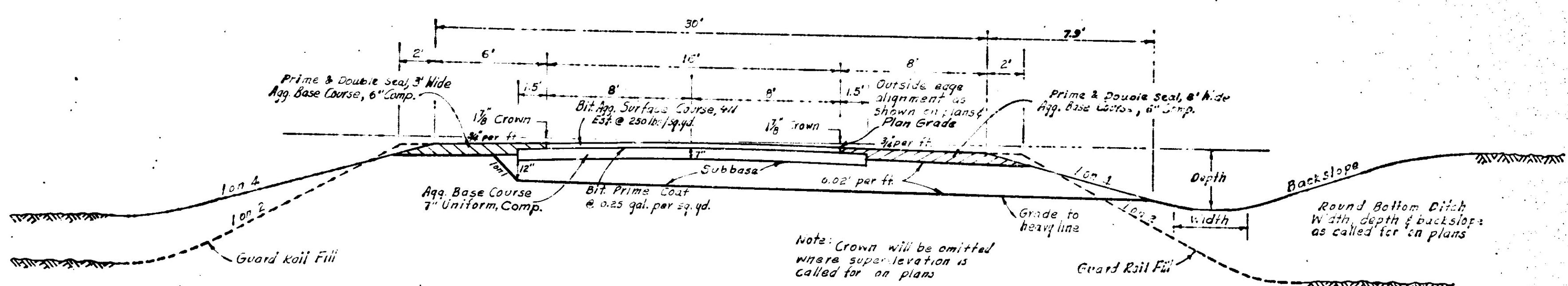
ROUTE	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MI	16092	LEVERING	2A	
ROUTE	STATE	PROJECT	COUNTY	SHEET NO.	TOTAL SHEETS
US27	MI	16092	LEVERING	2A	



SECTION FOR FINISHED ROAD

To Apply On Levering Road

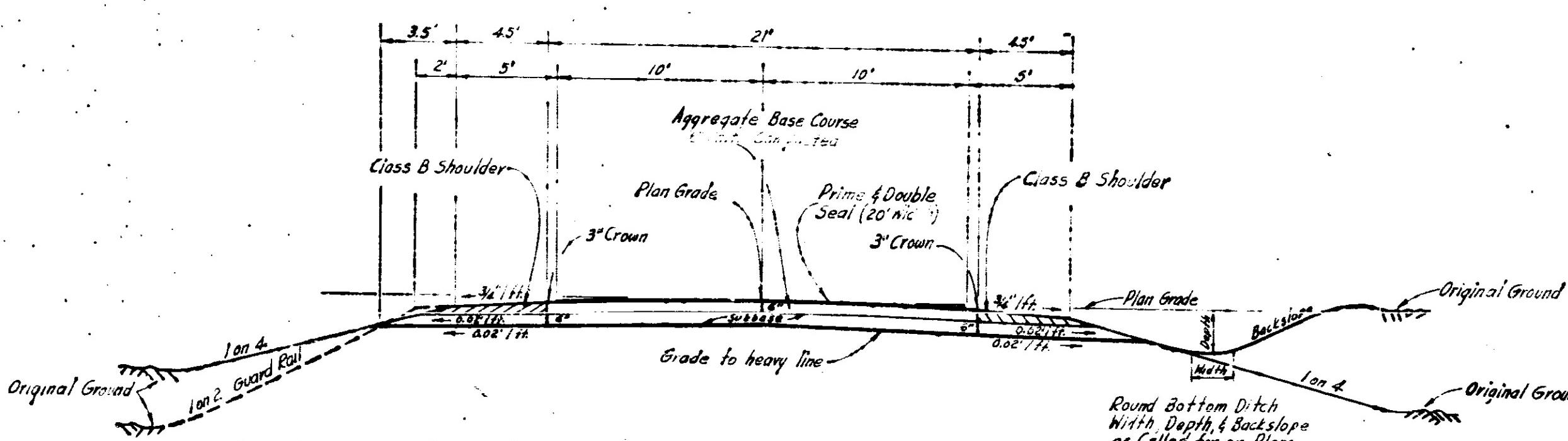
Scale: 1"=4'



SECTION FOR FINISHED RAMPS

To Apply At Levering Road Interchange

Scale: 1"=4'

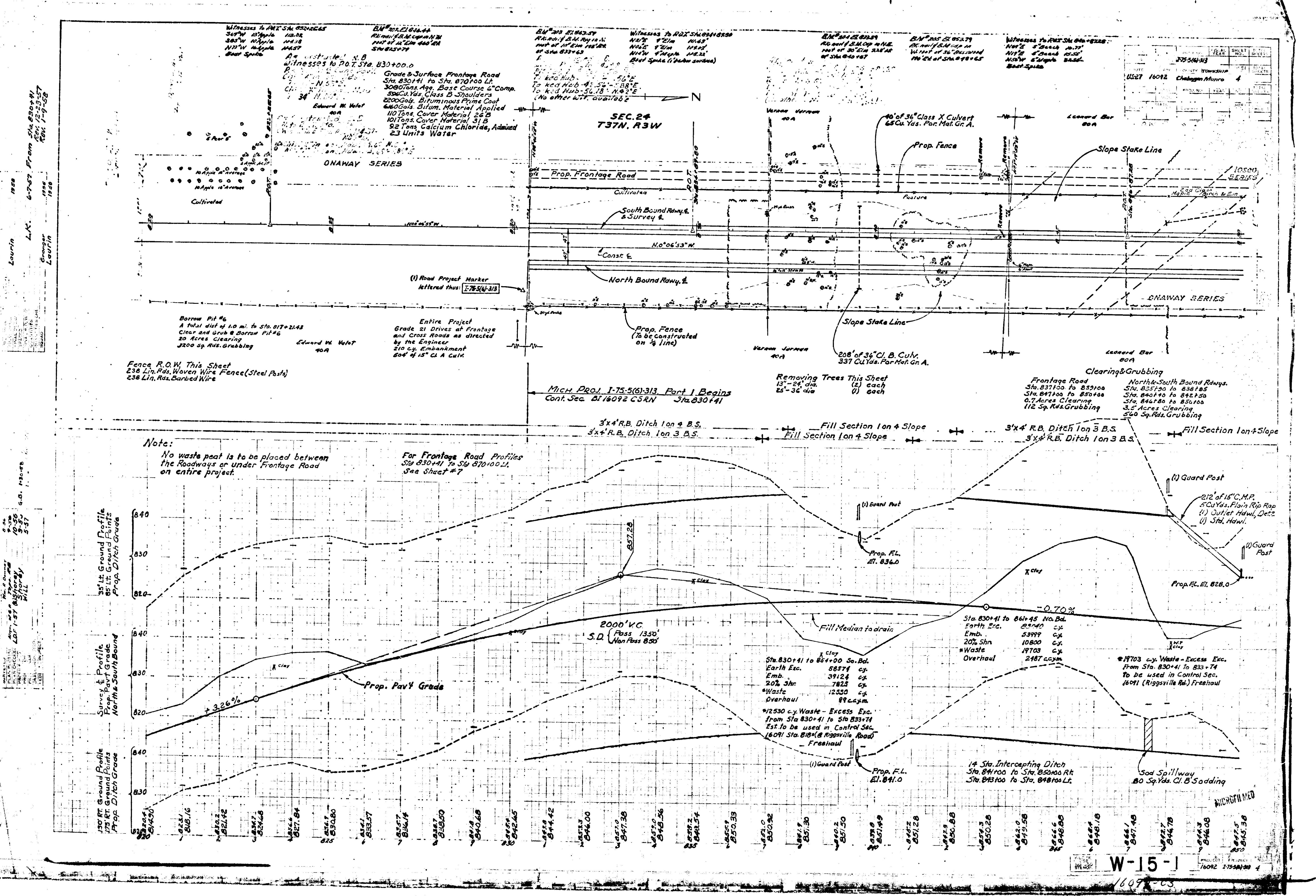


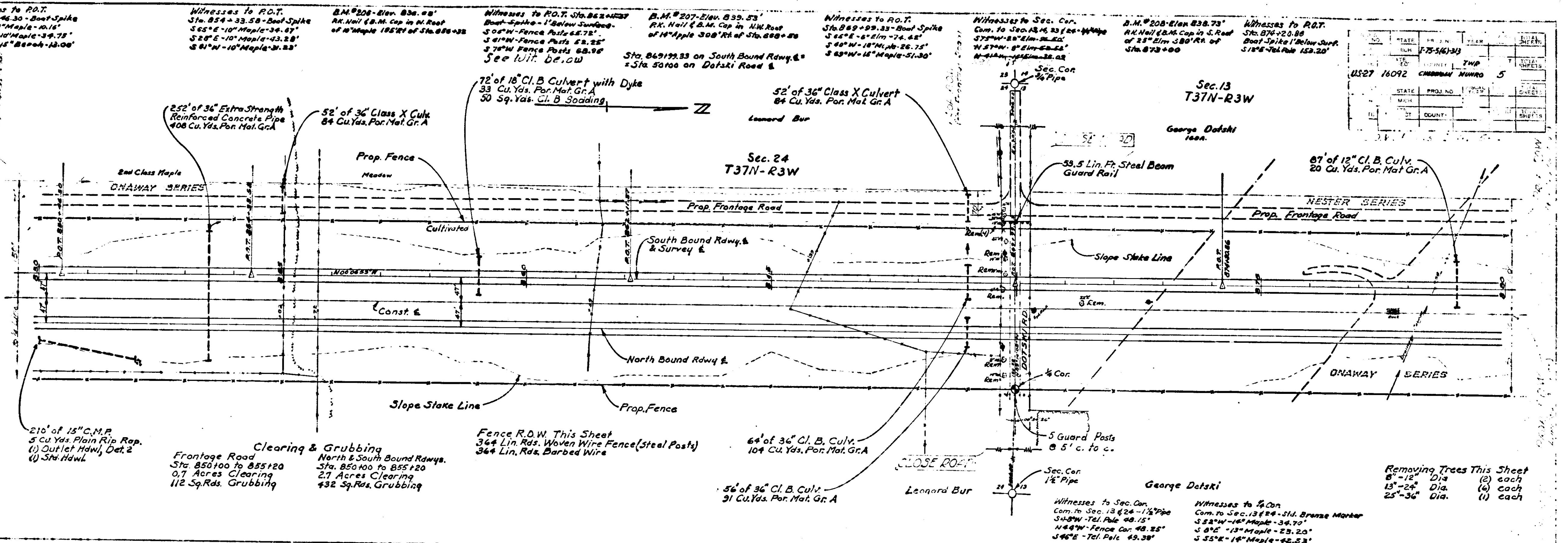
SECTION FOR FINISHED FRONTAGE ROAD

To Apply: Sta. 830+41 to Sta. 924+00 LT.
Sta. 921+60 to Sta. 978+00 LT.
Sta. 970+50 to Sta. 1103+00 LT.
Sta. 1102+30 to Sta. 1170+60 LT.
Sta. 1166+50 to Sta. 1180+00 LT.

Scale: 1"=5'

MICROFILMED





Constructed S.B.
witnesses to 2017-10.862411.3
T.L. Nauvin & Son L. P.D. X
locked Hub 35.48-14.617E
Tack 2 Hub 41.11-3.95E
locked Hub 34.80-35.0E

For North & South Bound Profiles See Sheet #6
For Frontage Rd. Profiles Sta. 830+41 to 870+00Lt.
See Sheet #7
For Frontage Rd. Profiles Sta. 870+00 to 928+00Lt.
See Sheet #8

As Constructed
Lit. to Sec. for. Con:;
Sec. for. H. R. Y.

Removing Trees This Sheet
8"-12" Dia. (2) each
13"-24" Dia. (6) each
25"-36" Dia. (11) each

PHILIPPINES CAPTURED
BY THE U.S.A.
FINAL DESIGN CHECKED
TESTED
FINAL F.G.C. & CHECK
SUSPENDED
SUSPENDED
SUSPENDED

DATE	NAME & OWNER	ADDRESS	PHONE NUMBER	PLATE NUMBER	EXPIRATION DATE
8-36	Wm & Owner	Shorey	Will	10-56	5-57

FEDERAL INSPECTION

As Constructed
S.B.
Witnesses to P.C.L. - to 868+11.37
T.C. As in & Corr. Rd. N.
LOCKED HUB 33.48°-4.67° E.
TACKLE HUB 41.1°-3.95° E.
LOCKED HUB 34.80°-3.5° E.
NO OTHER HUBS OR BLOCKS.

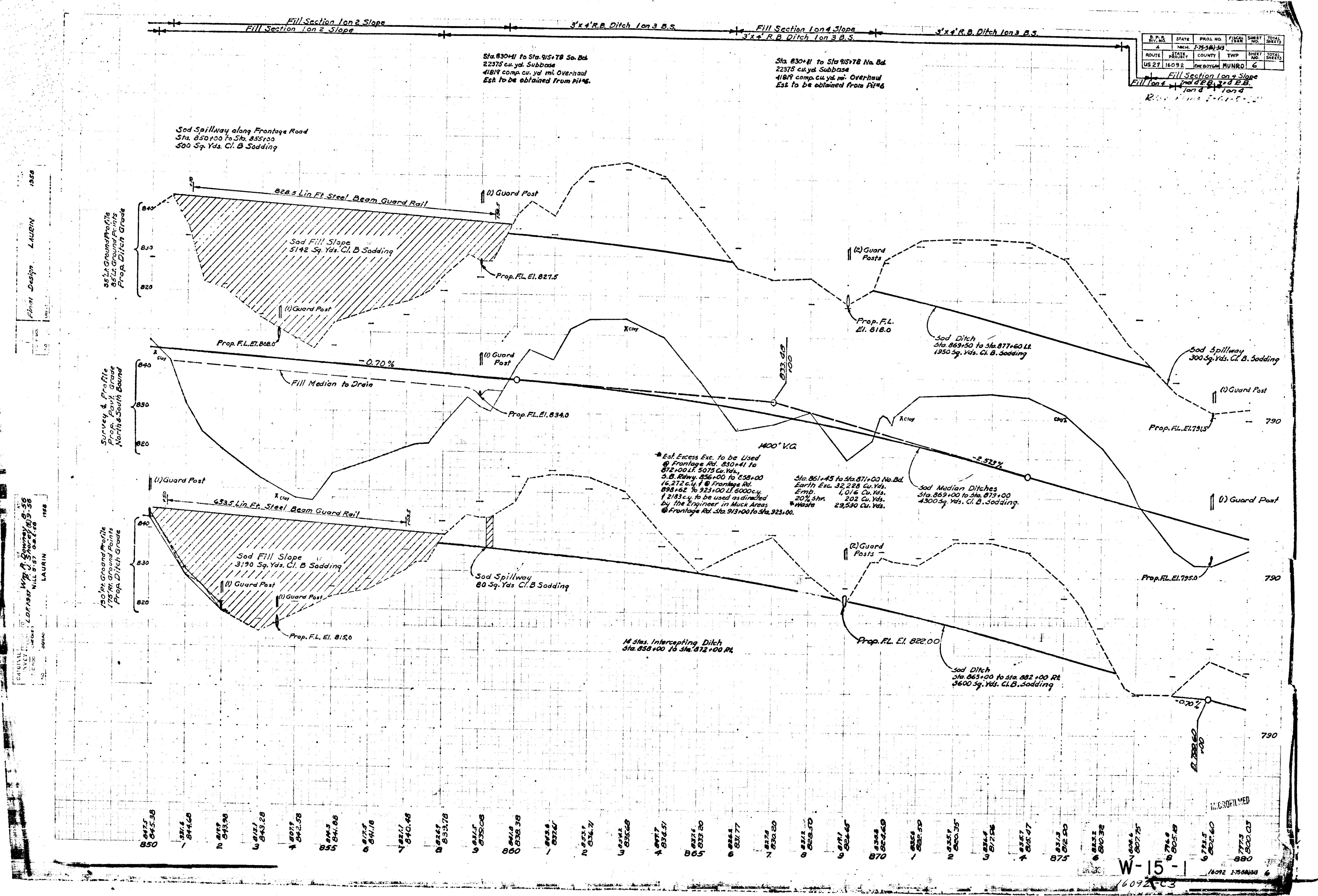
As Constructed
N.B.
Line 5505 to P.C.L. - 42.0°-11.2°
T.C. As in & Corr. Rd. N.
LOCKED HUB 33.48°-4.67° E.
TACKLE HUB 41.1°-3.95° E.
LOCKED HUB 34.80°-3.5° E.
No other hubs or blocks.

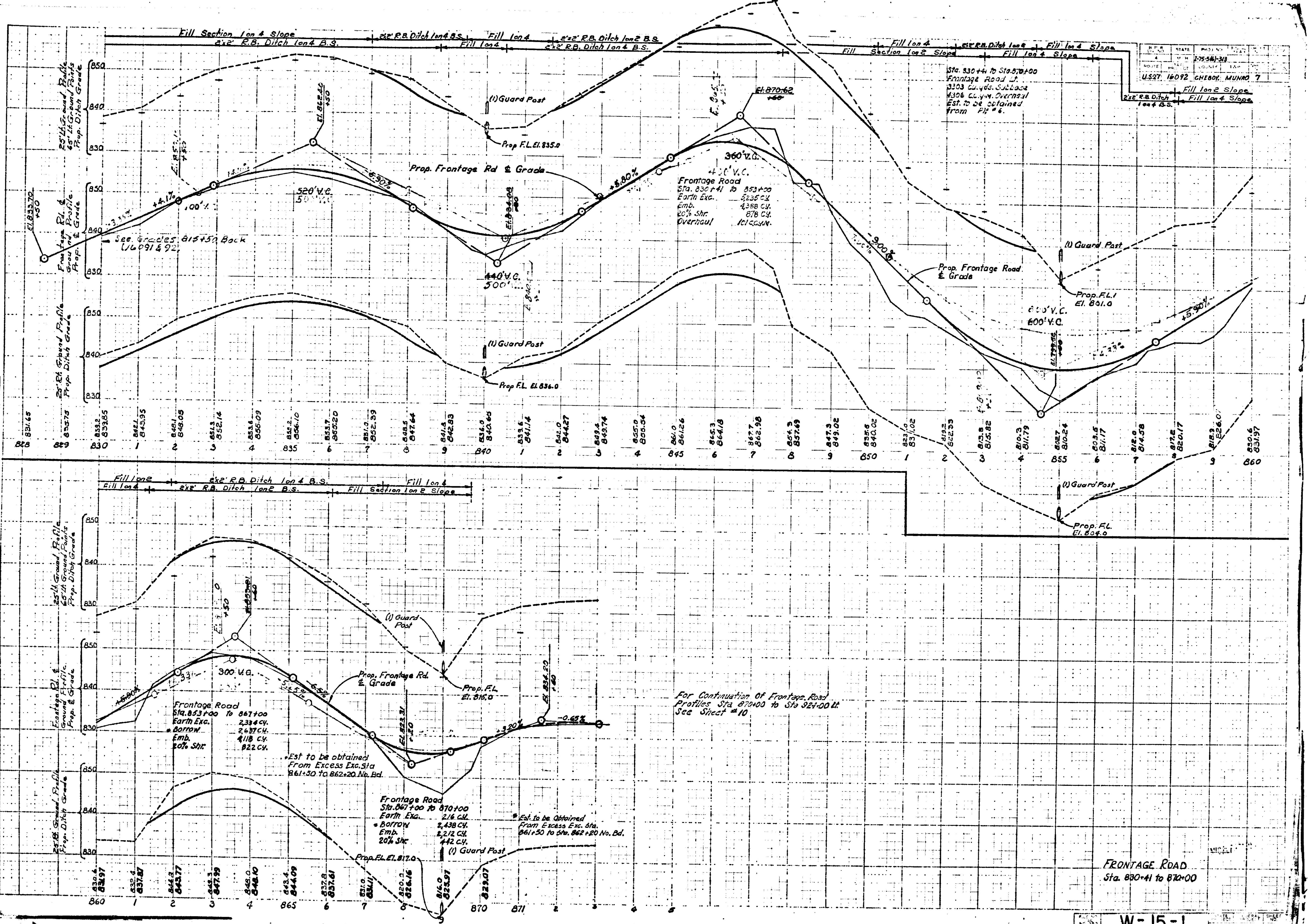
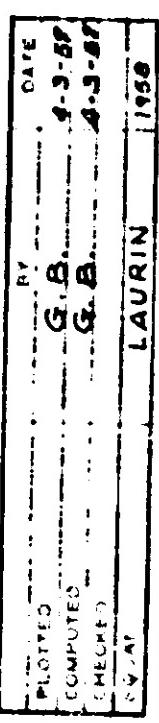
For North & South Bound Profiles See Sheet #6
For Frontage Rd Profiles Sta. 830+41 to 870+00L2
See Sheet #7
For Frontage Rd. Profiles Sta. 870+00 to 930+00L2
See Sheet #10

N 44°W - Fence Cor. 48.25°
S 46°E - Tel. Pole 49.38°
S 50°E "13" Maple - 23.20'
S 55°E "14" Maple - 42.53'

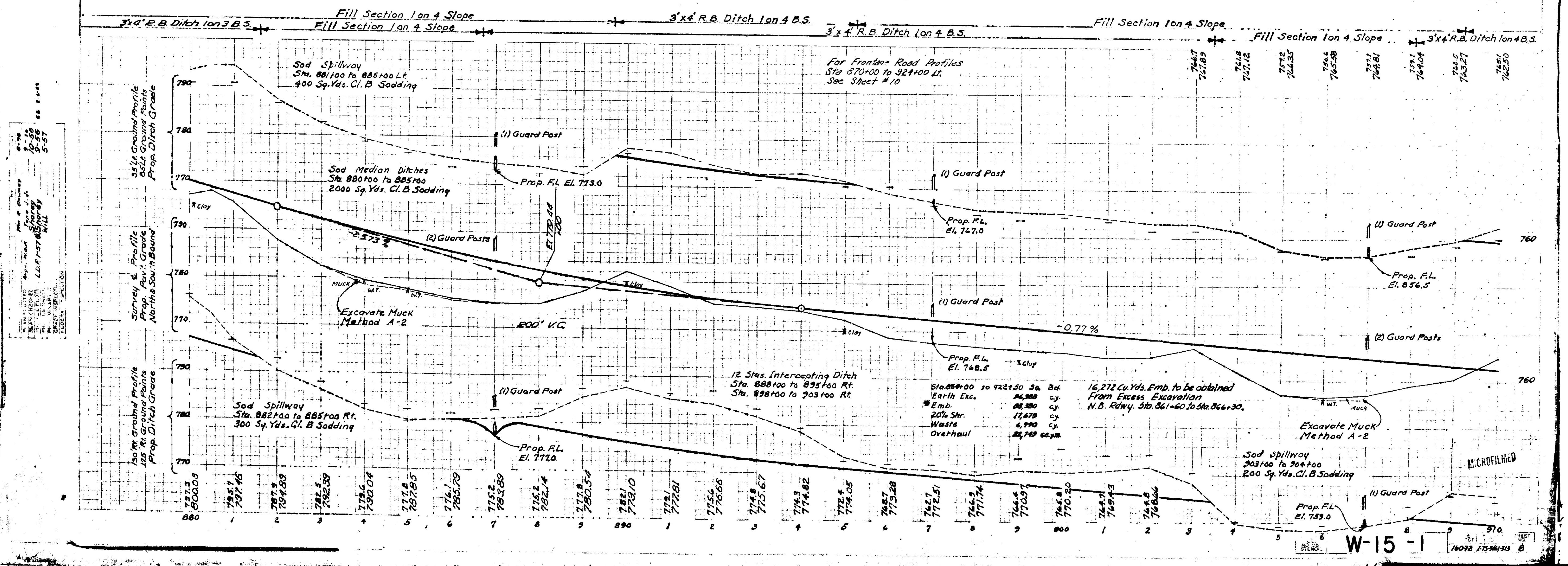
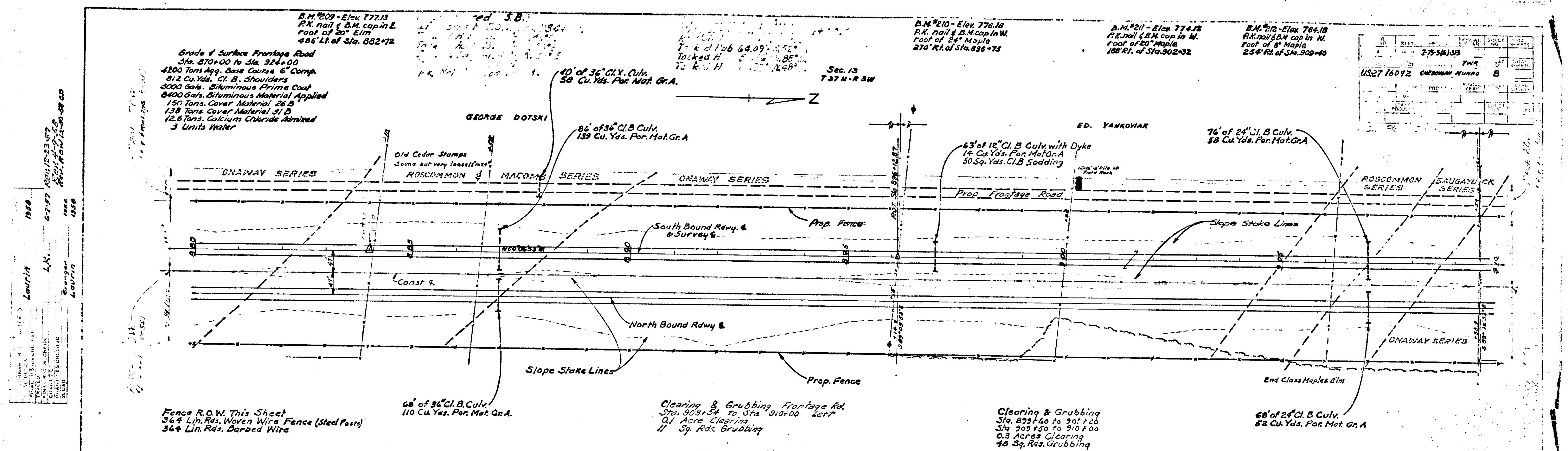
MICROFILMED

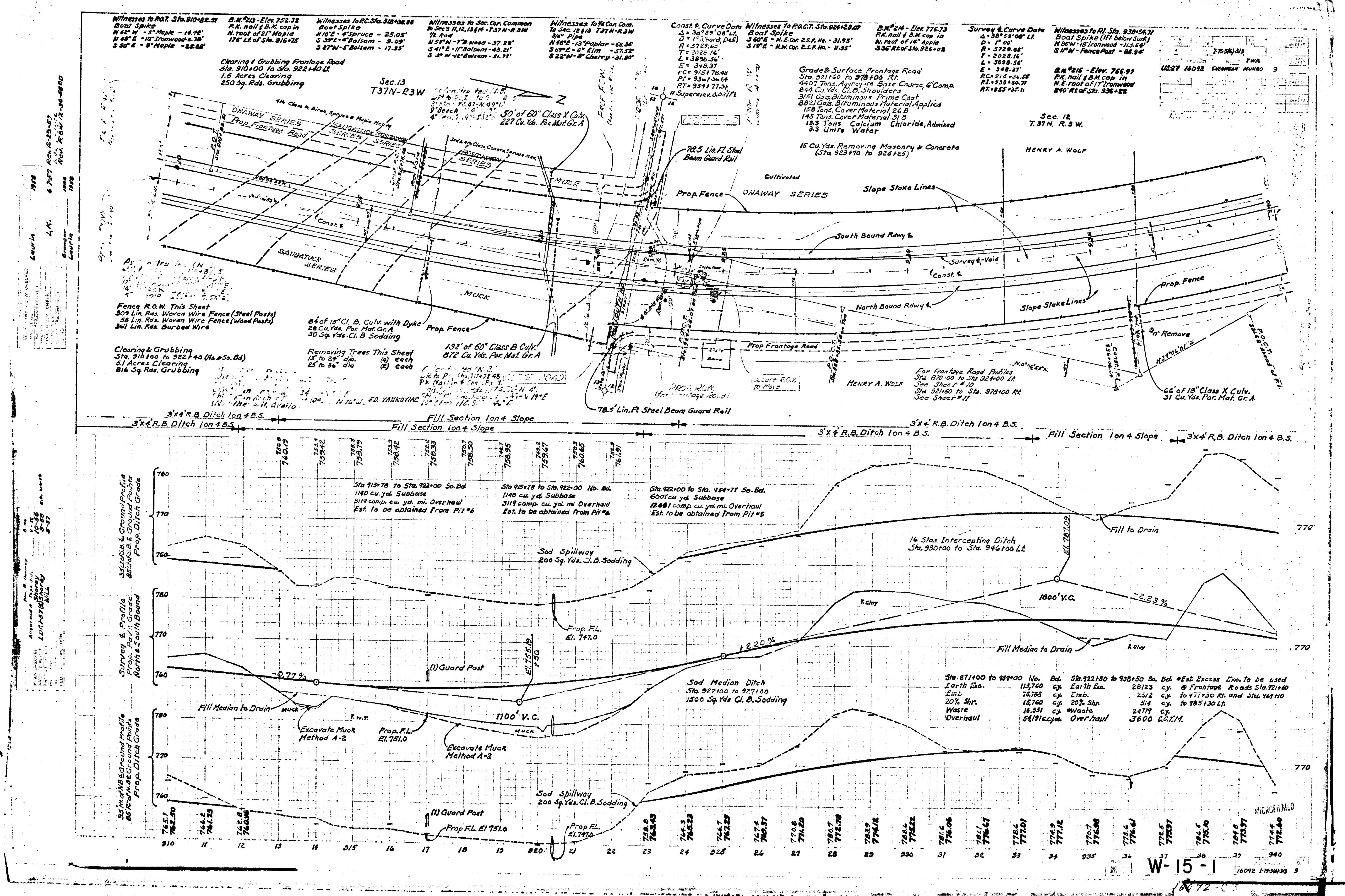
W-15-1 16092 S-75-516349 5

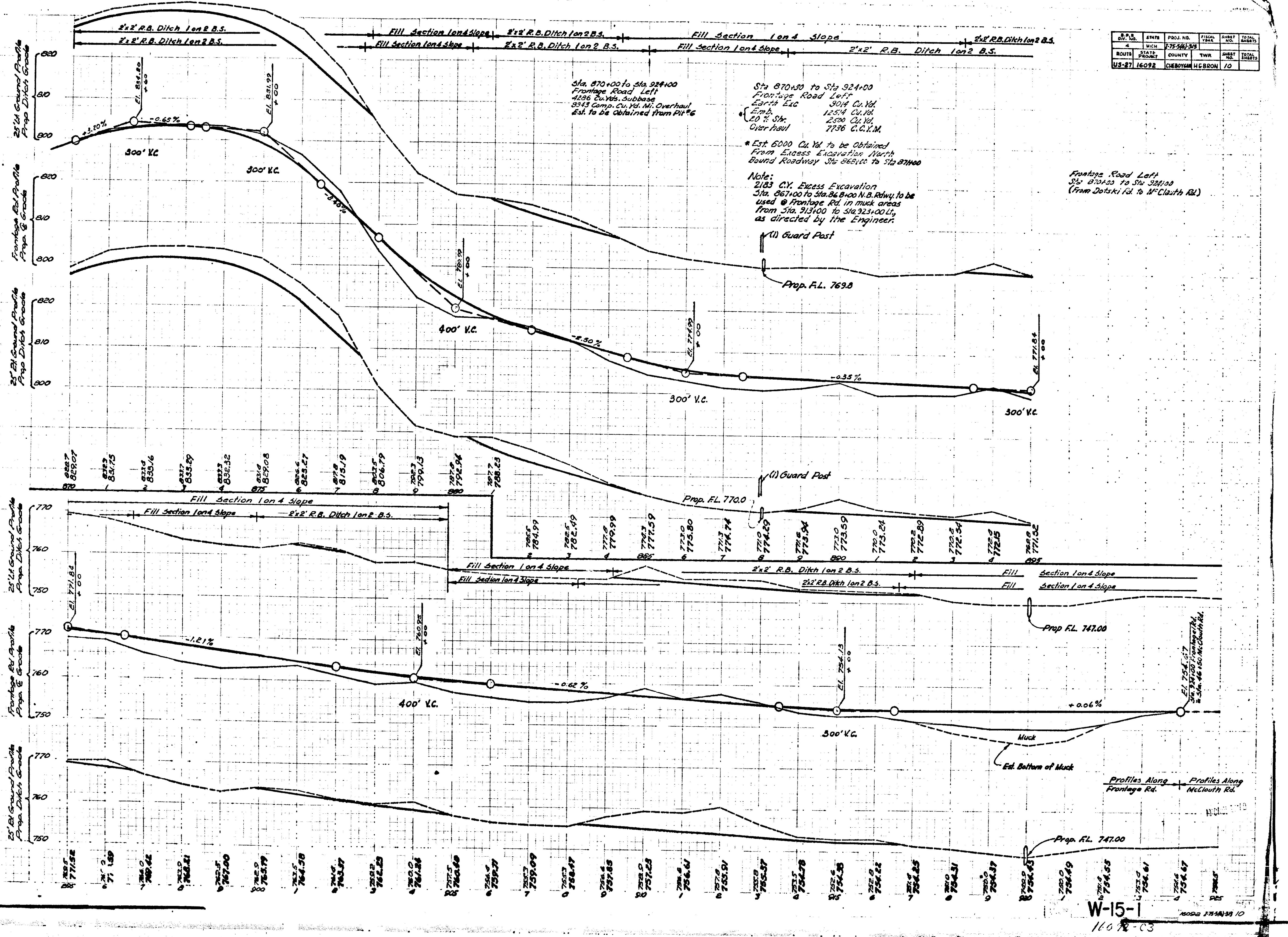


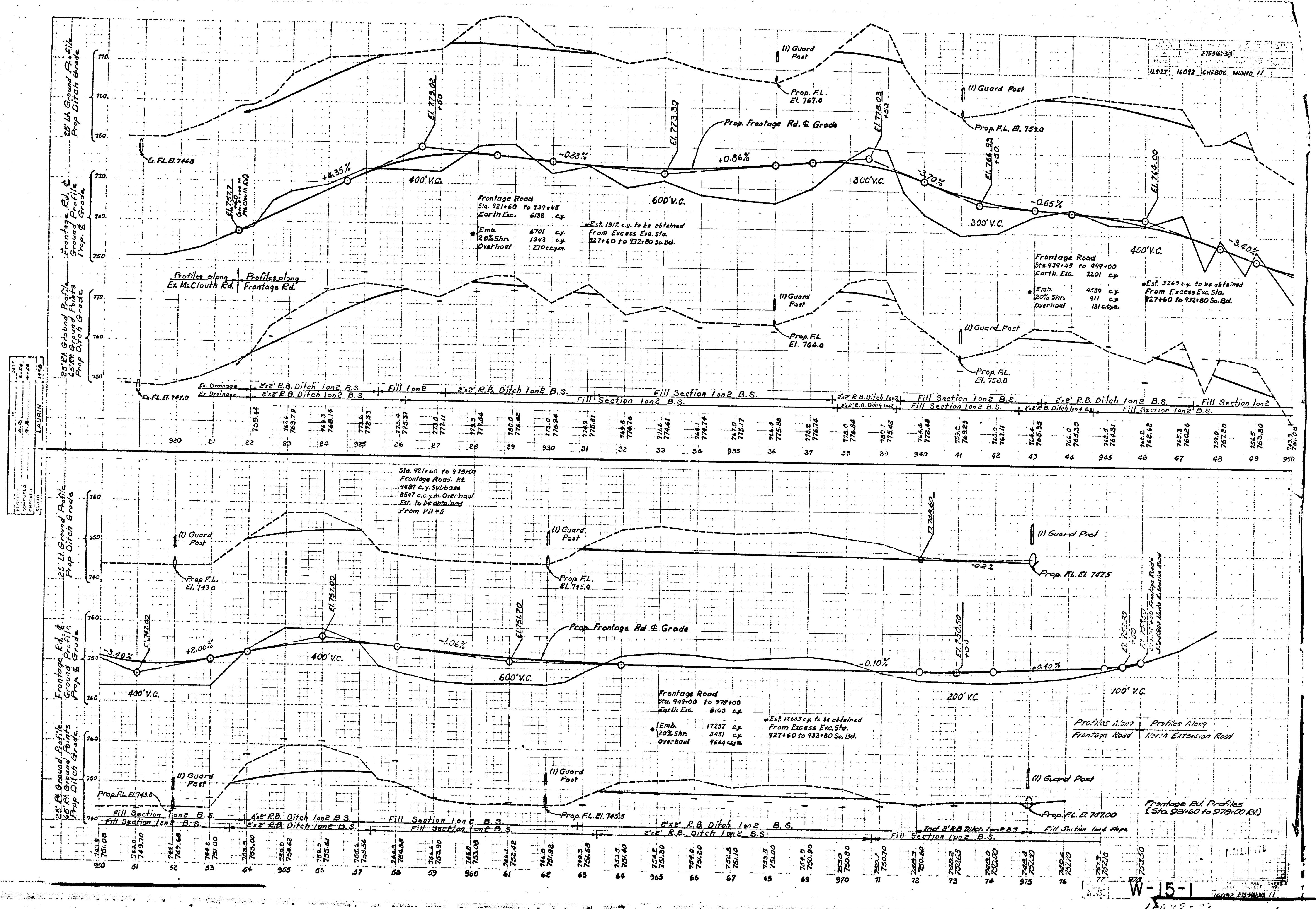


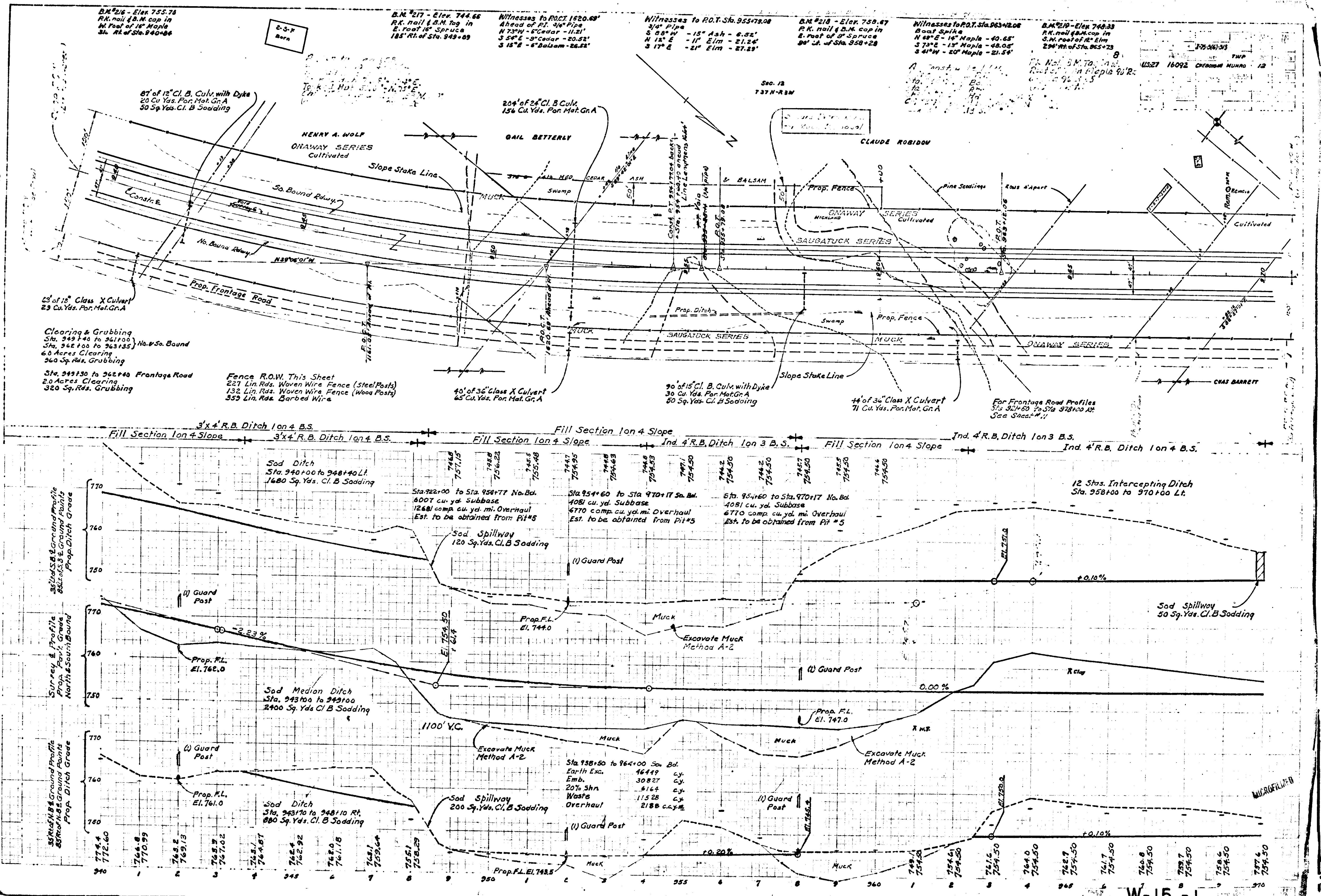
W-15-1	DATE REC'D	GENERAL SUBJECT	SHEET NO.
		16092 S-73-5(6)-39	7

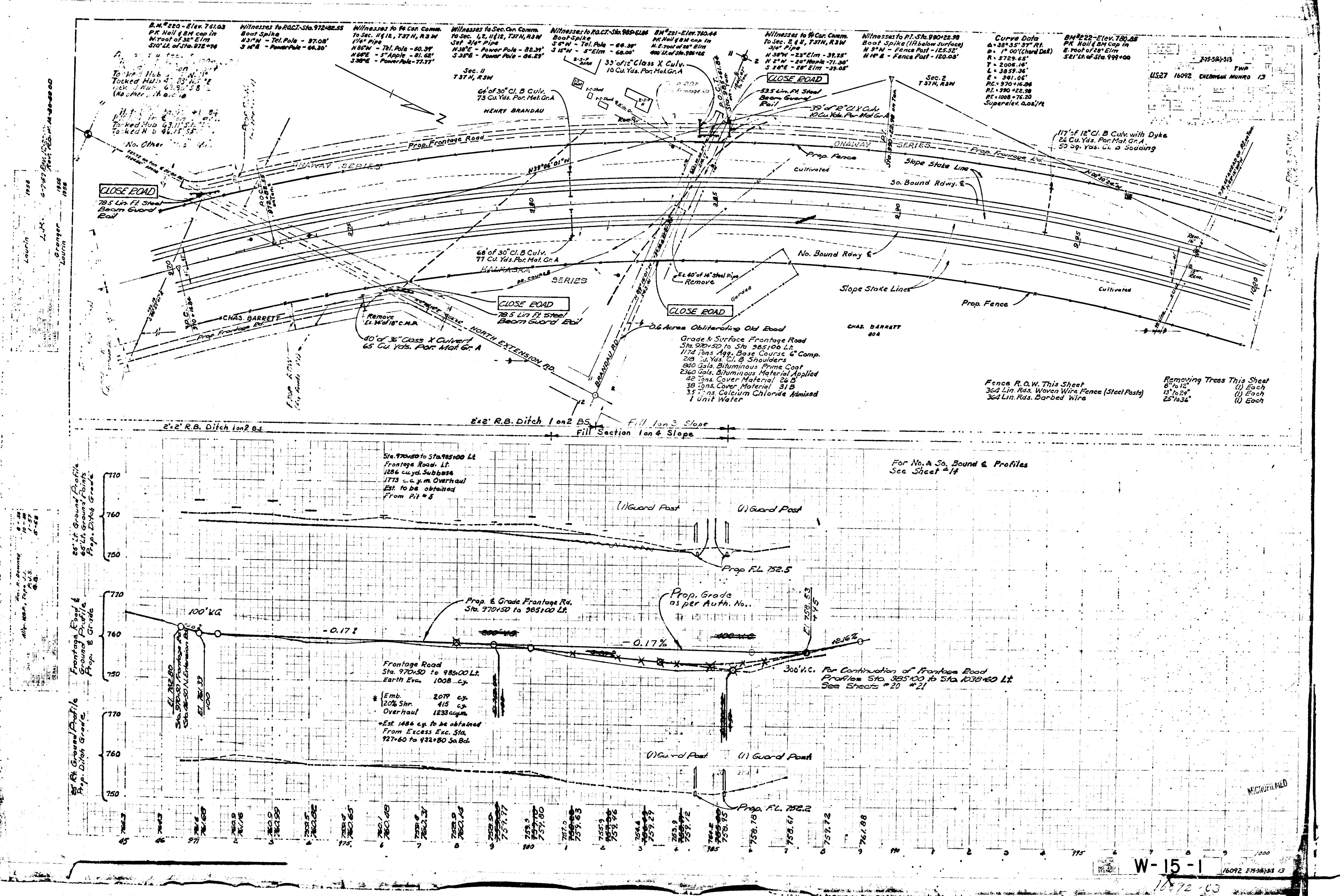


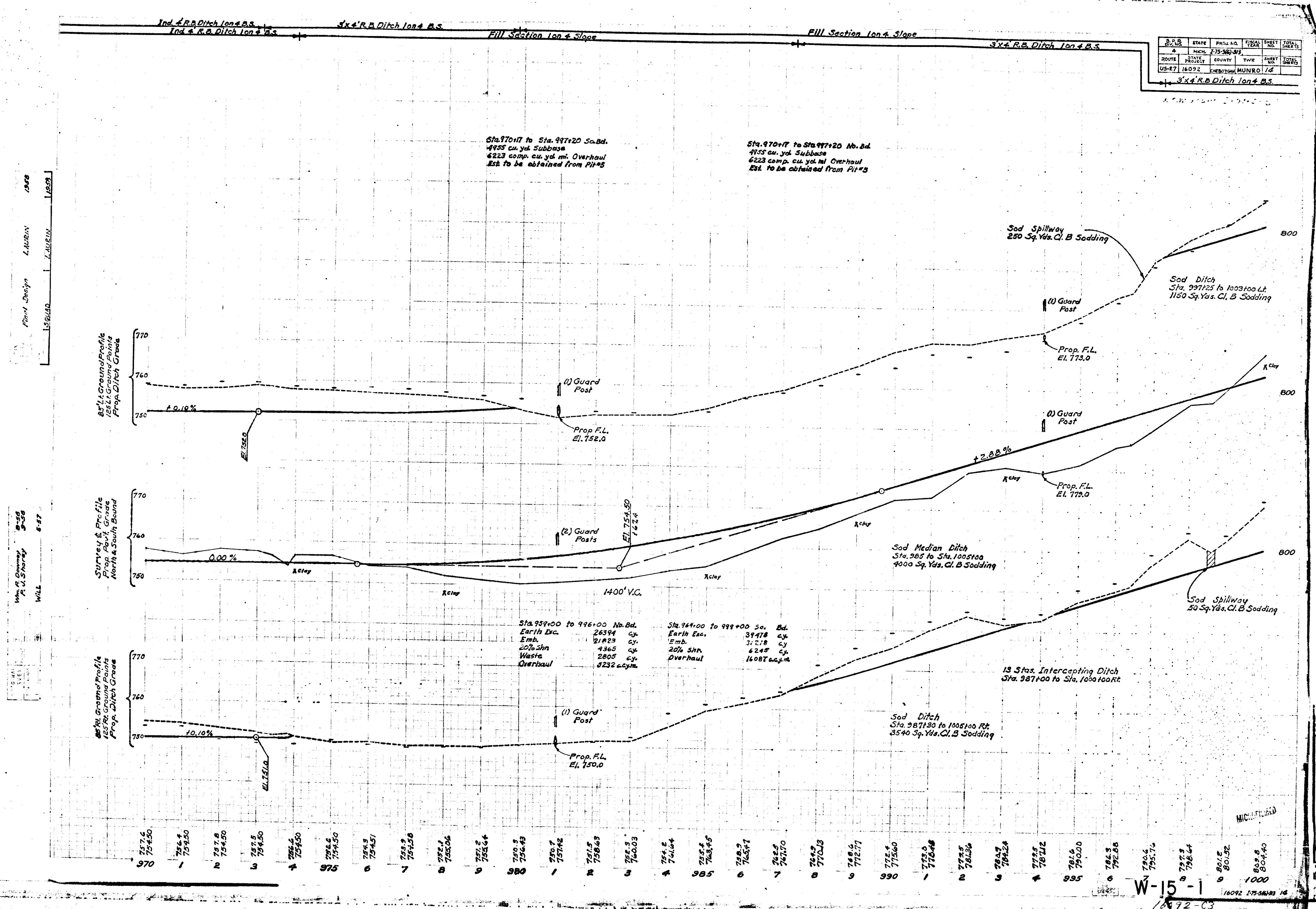


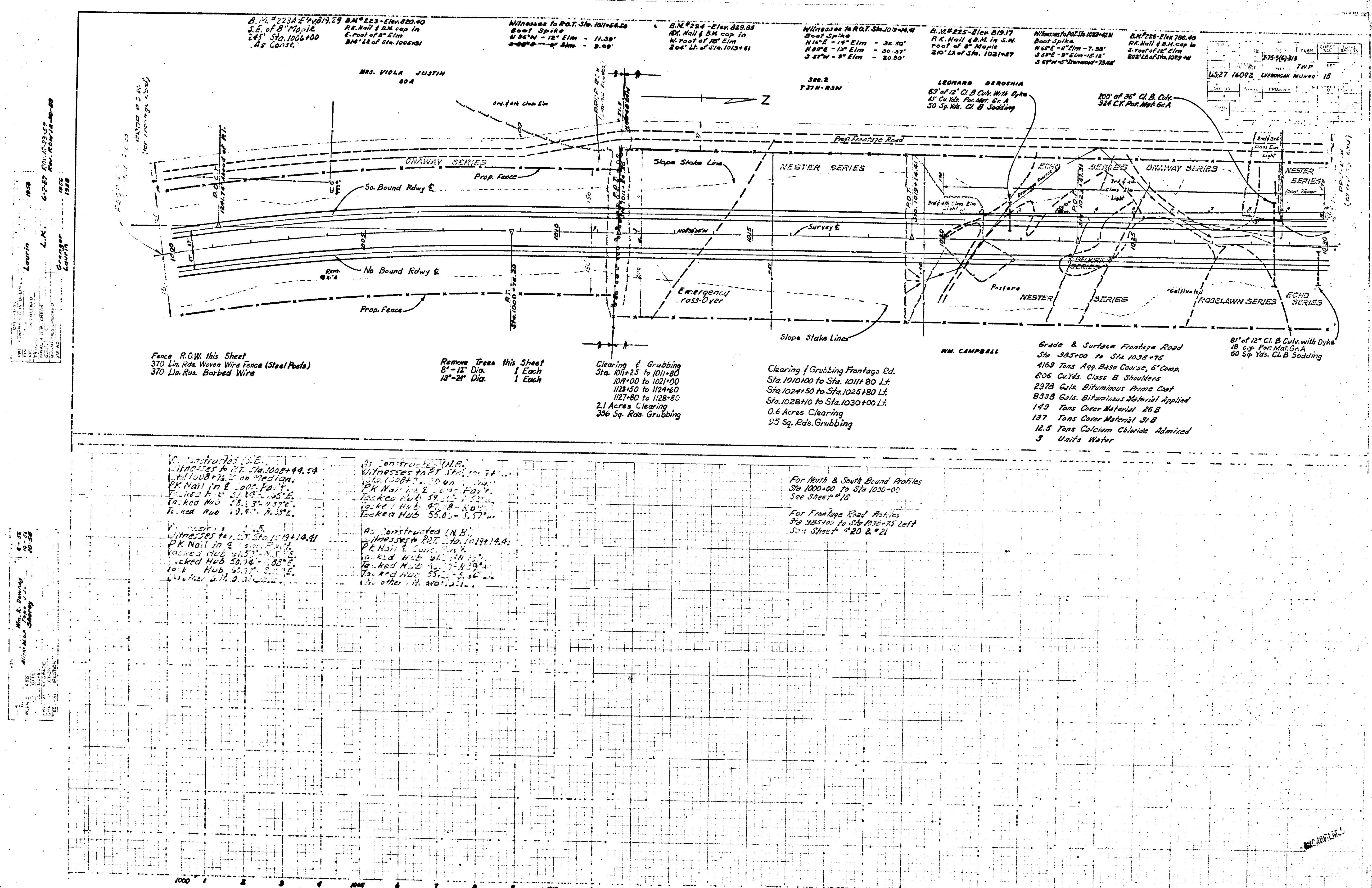


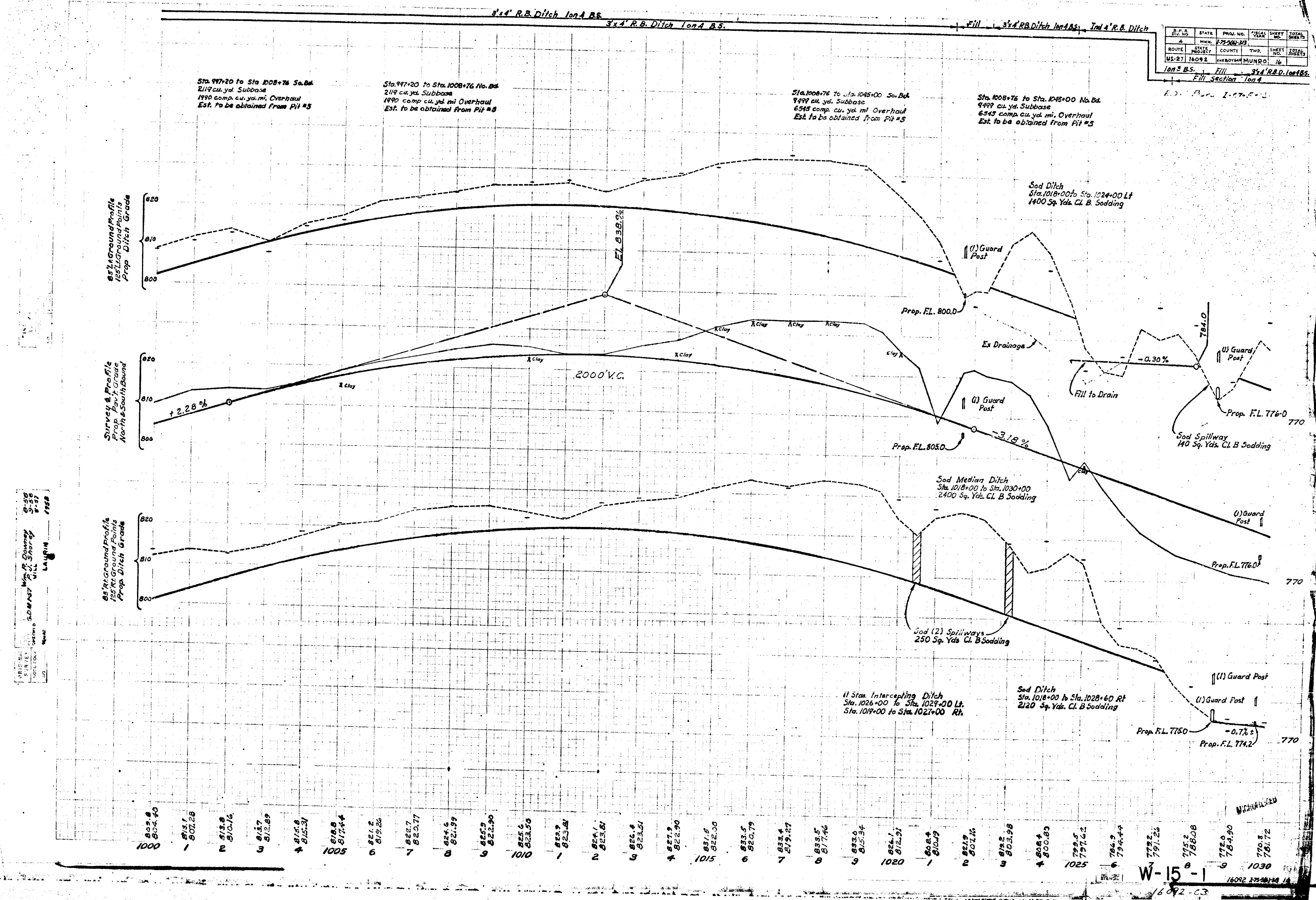


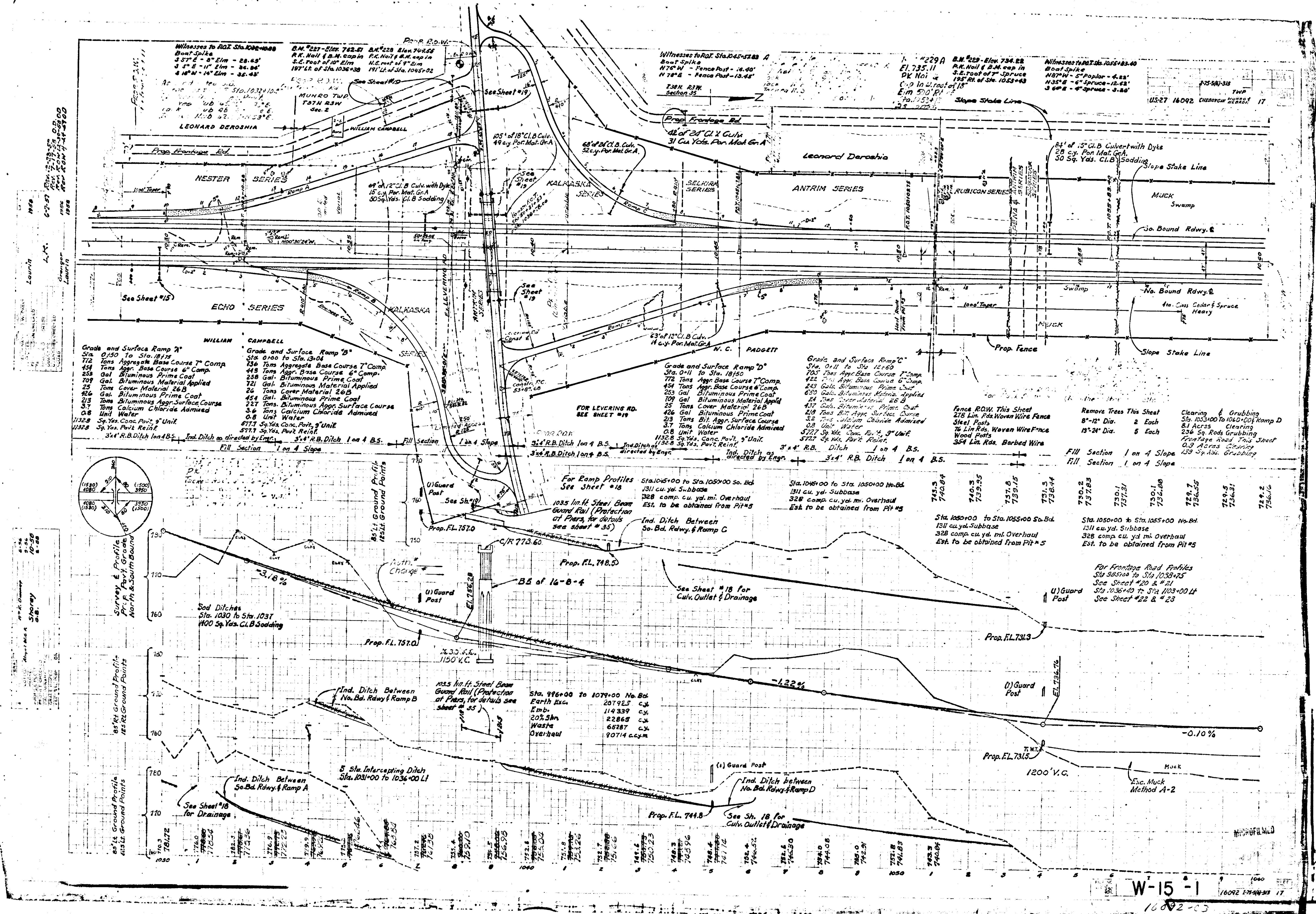




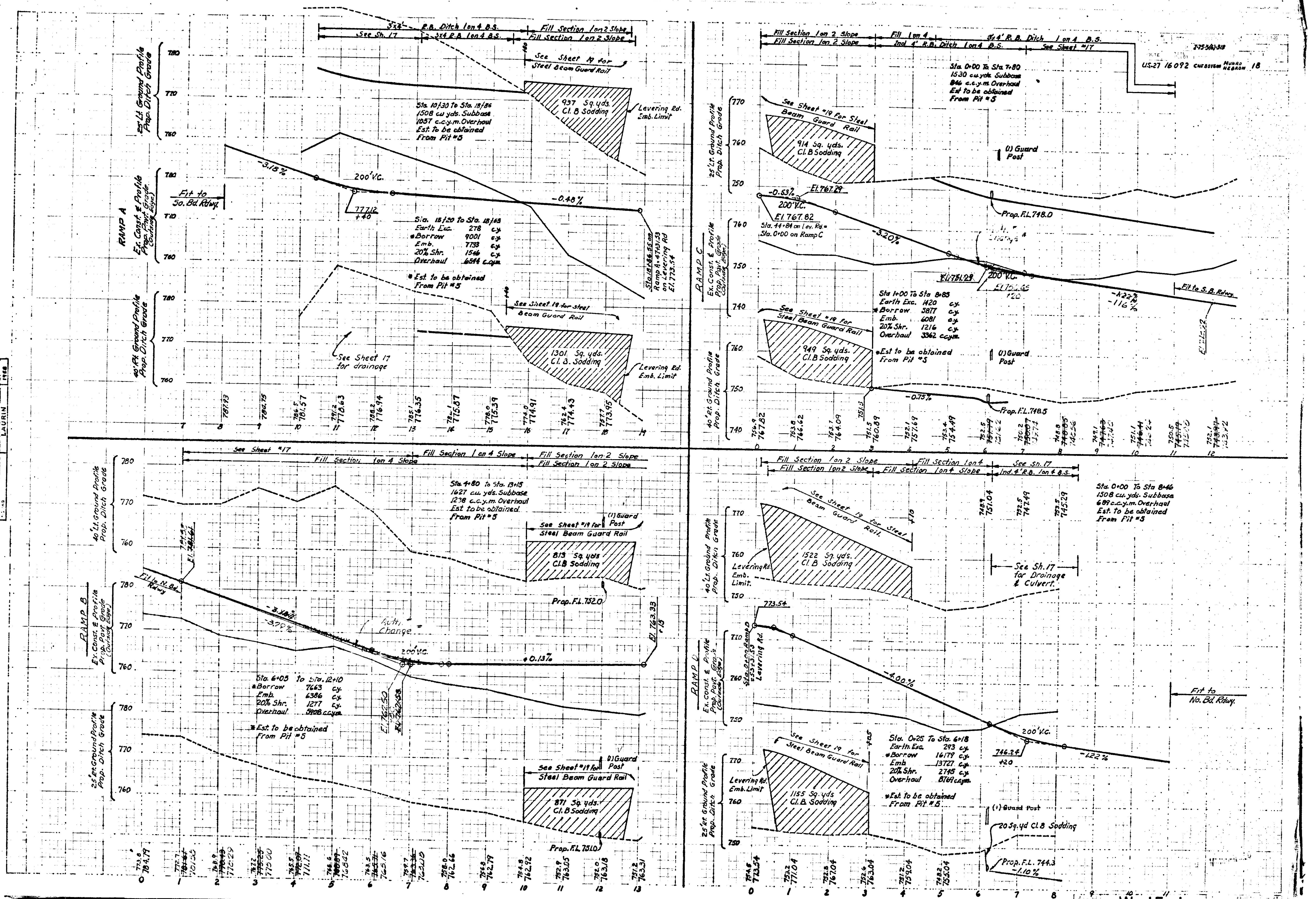






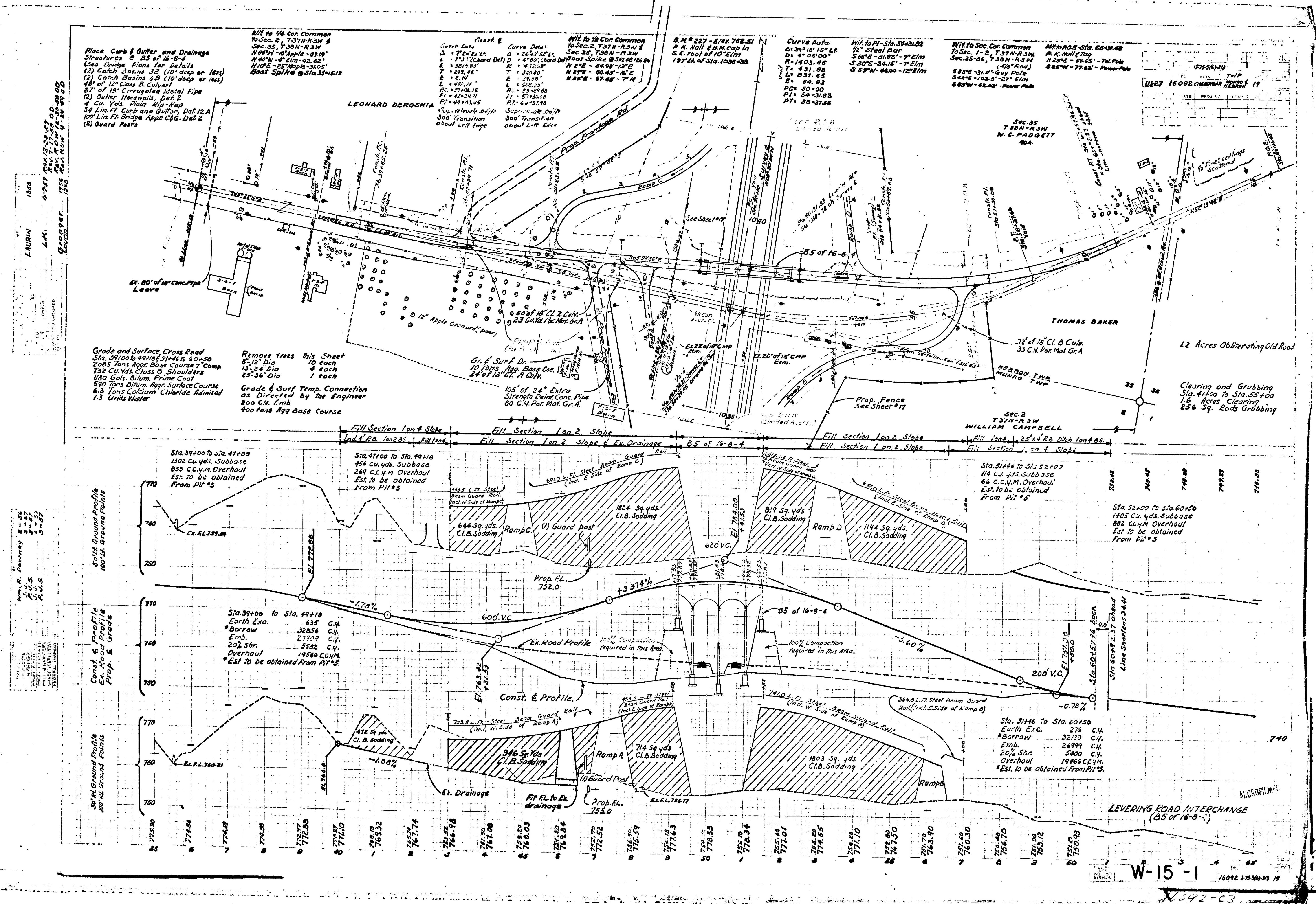


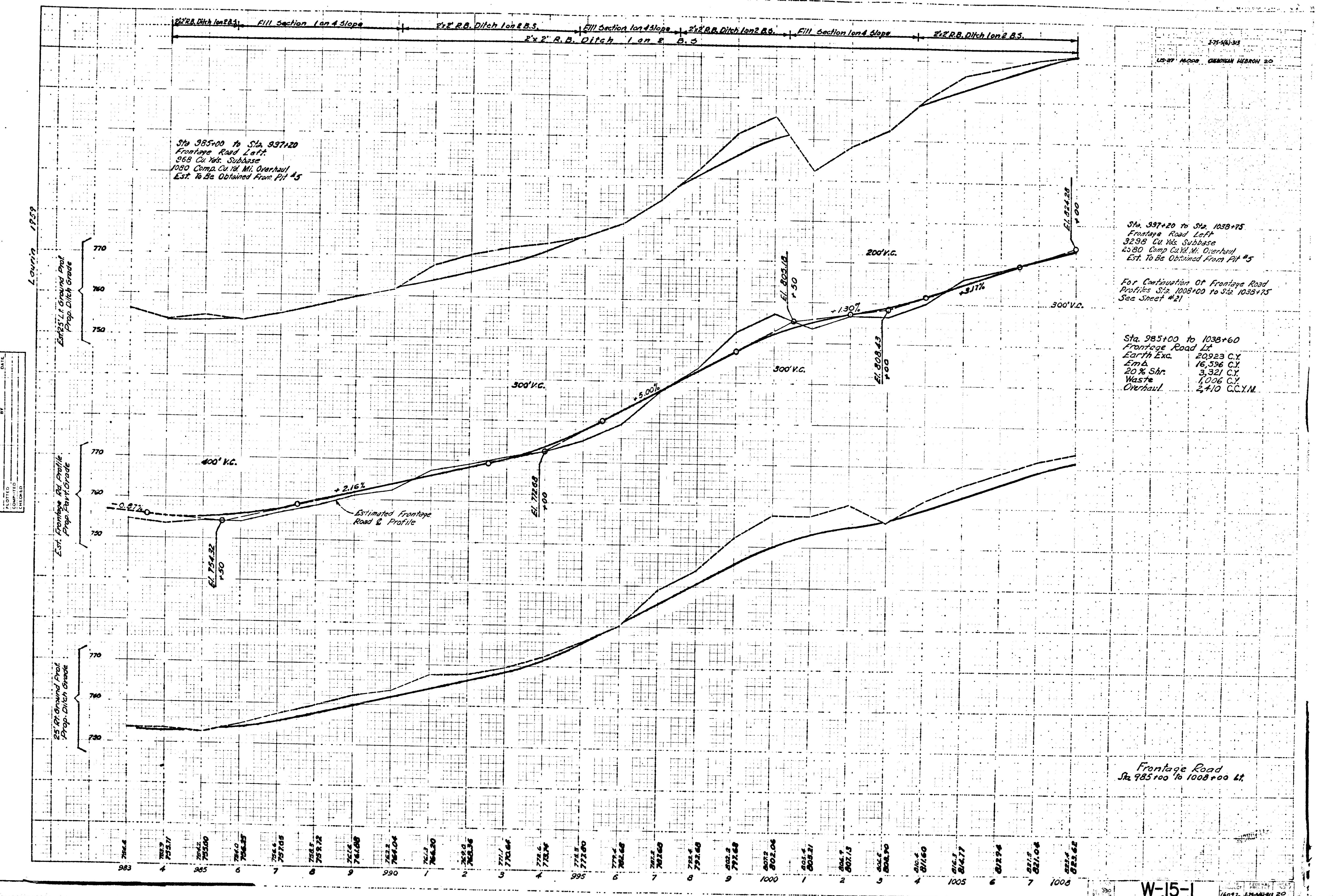
LSC Area



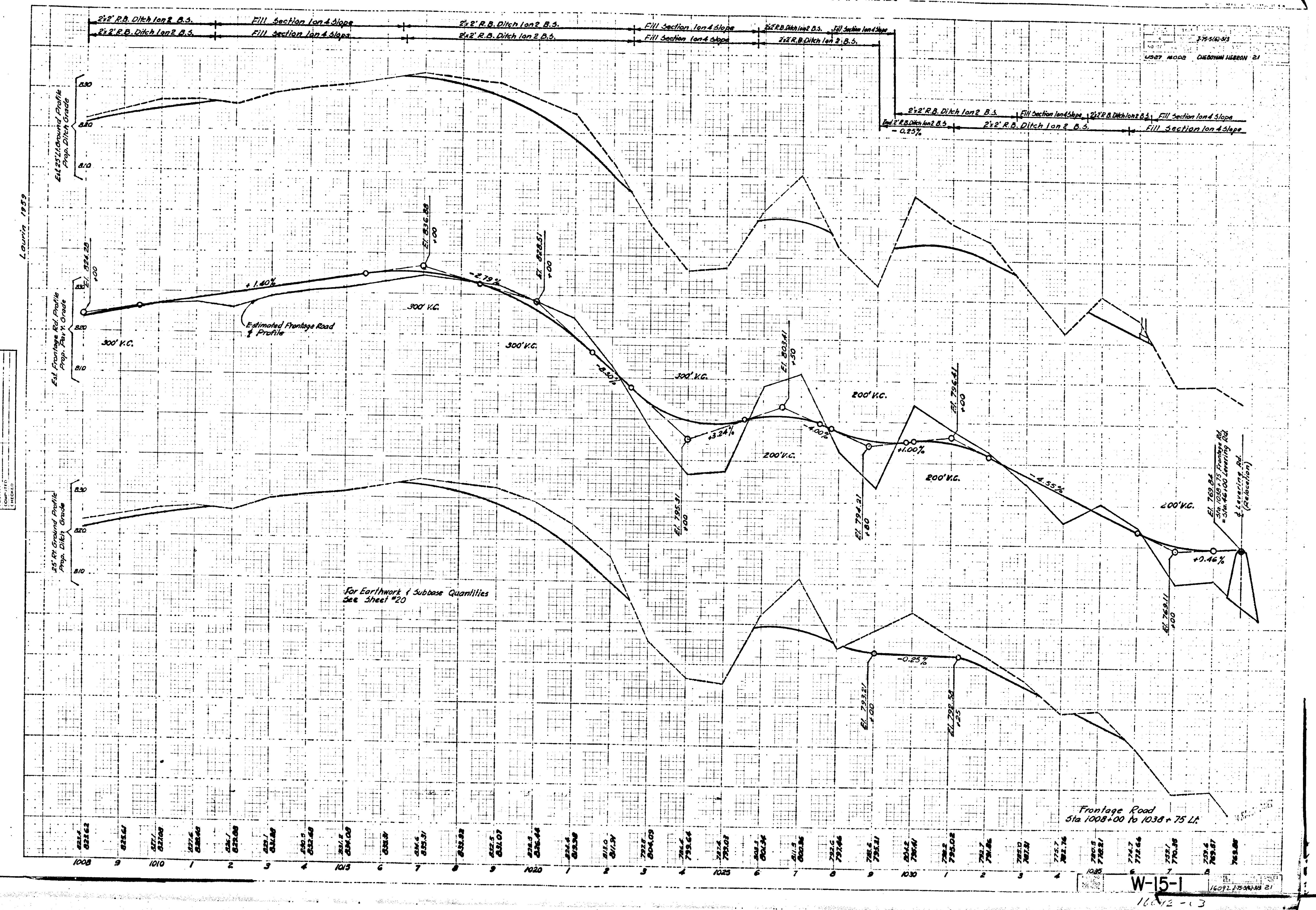
W-15-1

16092 275-500-38

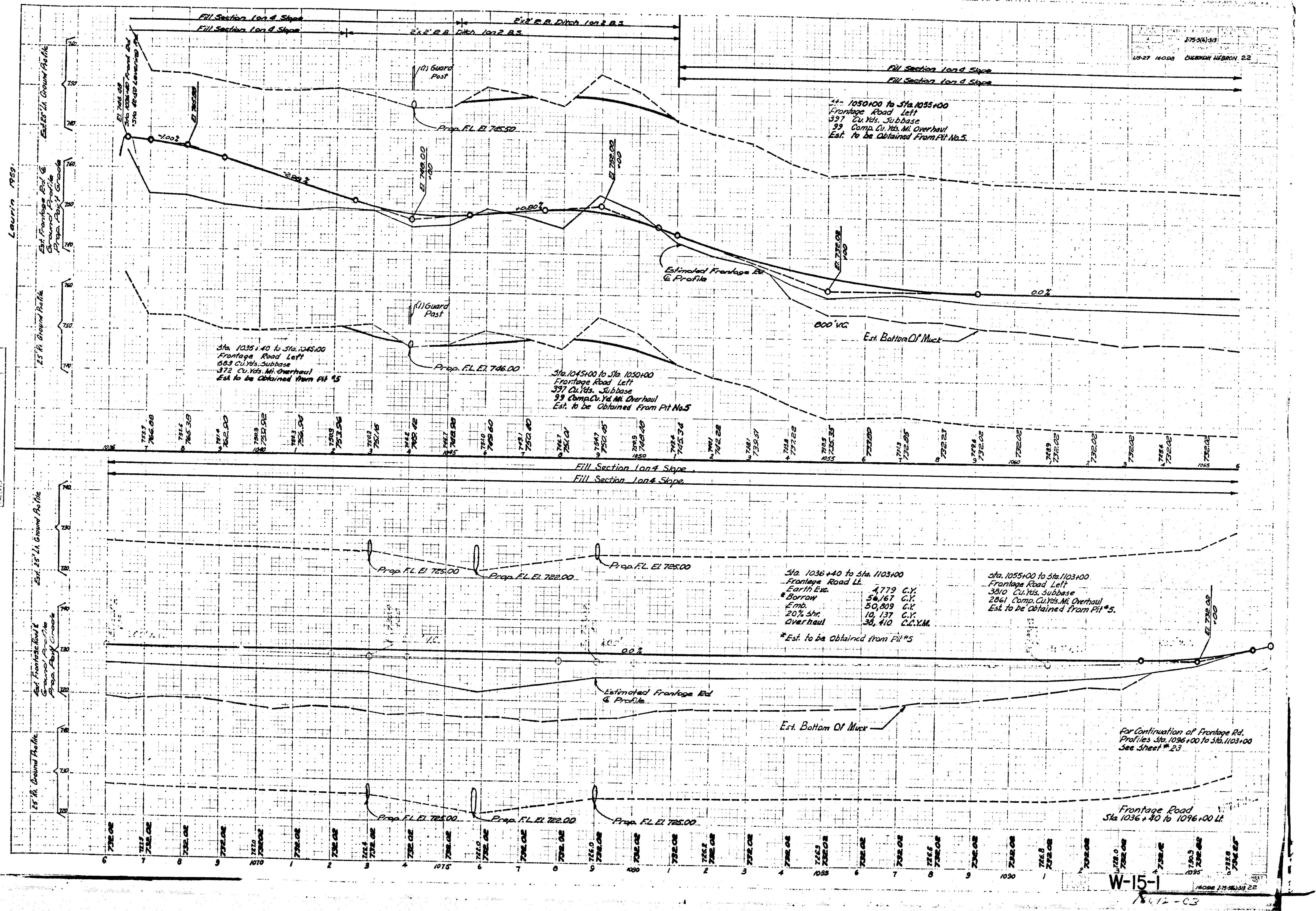




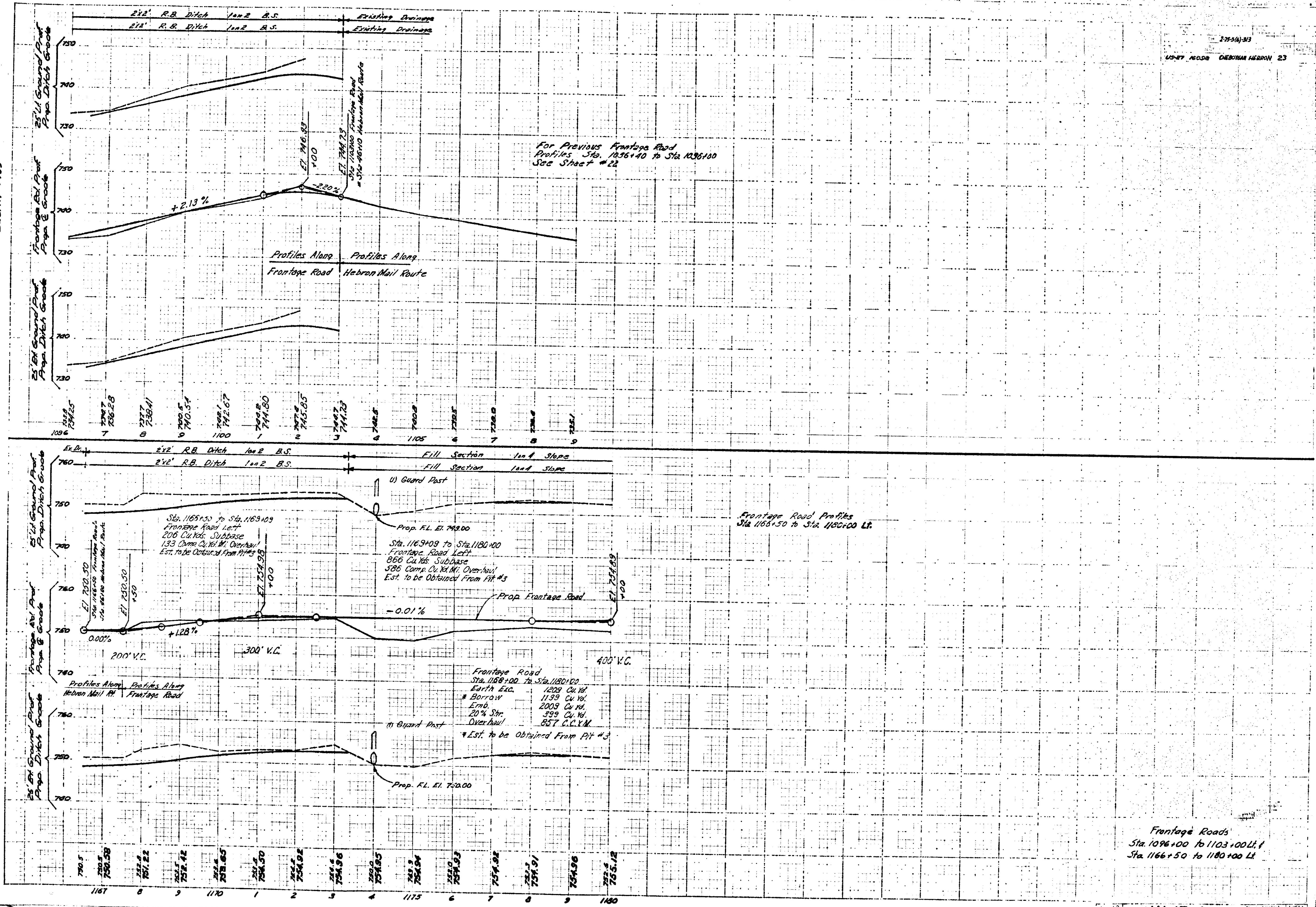
V-15-1

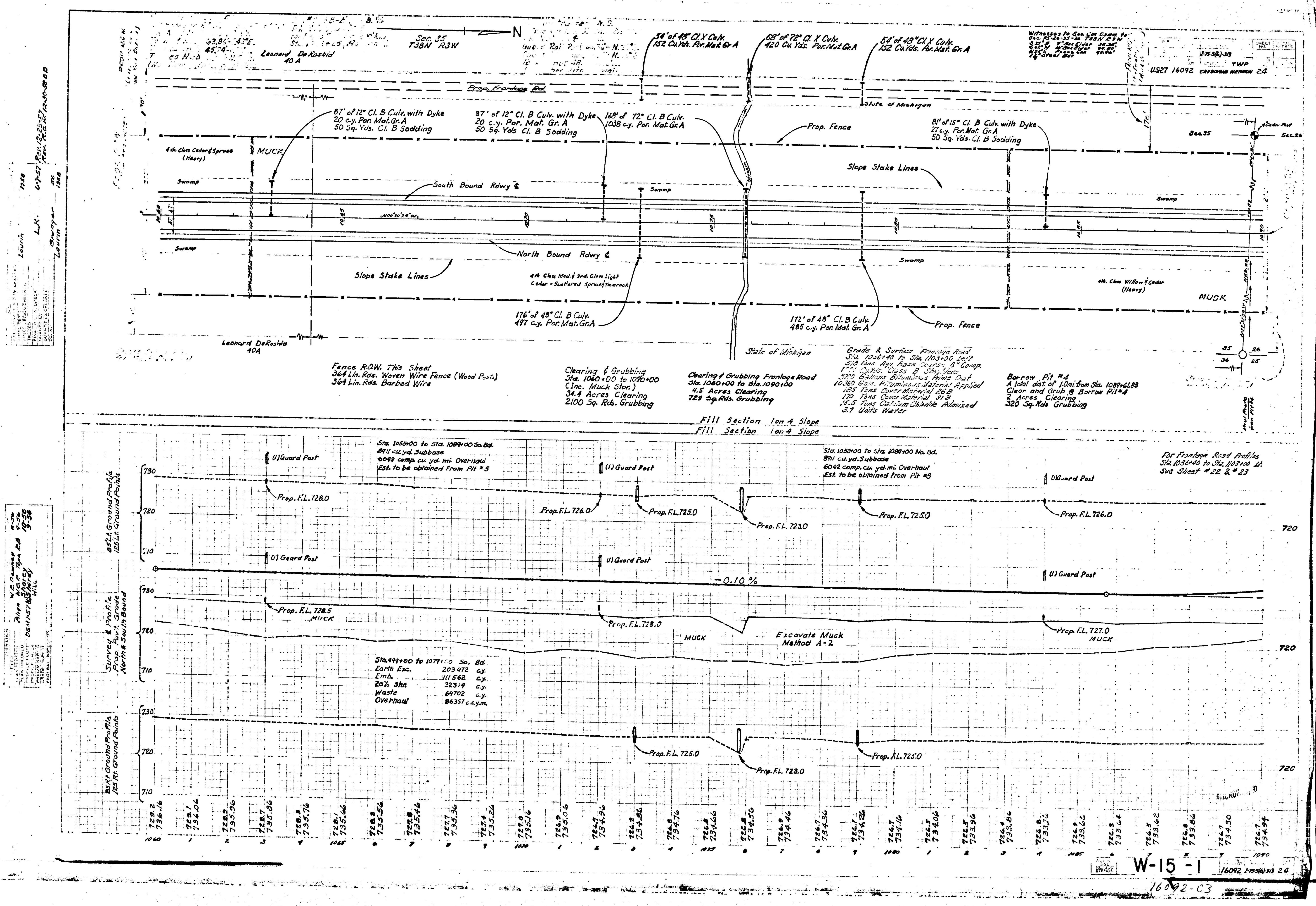


W-15-1



Louisville, 1959

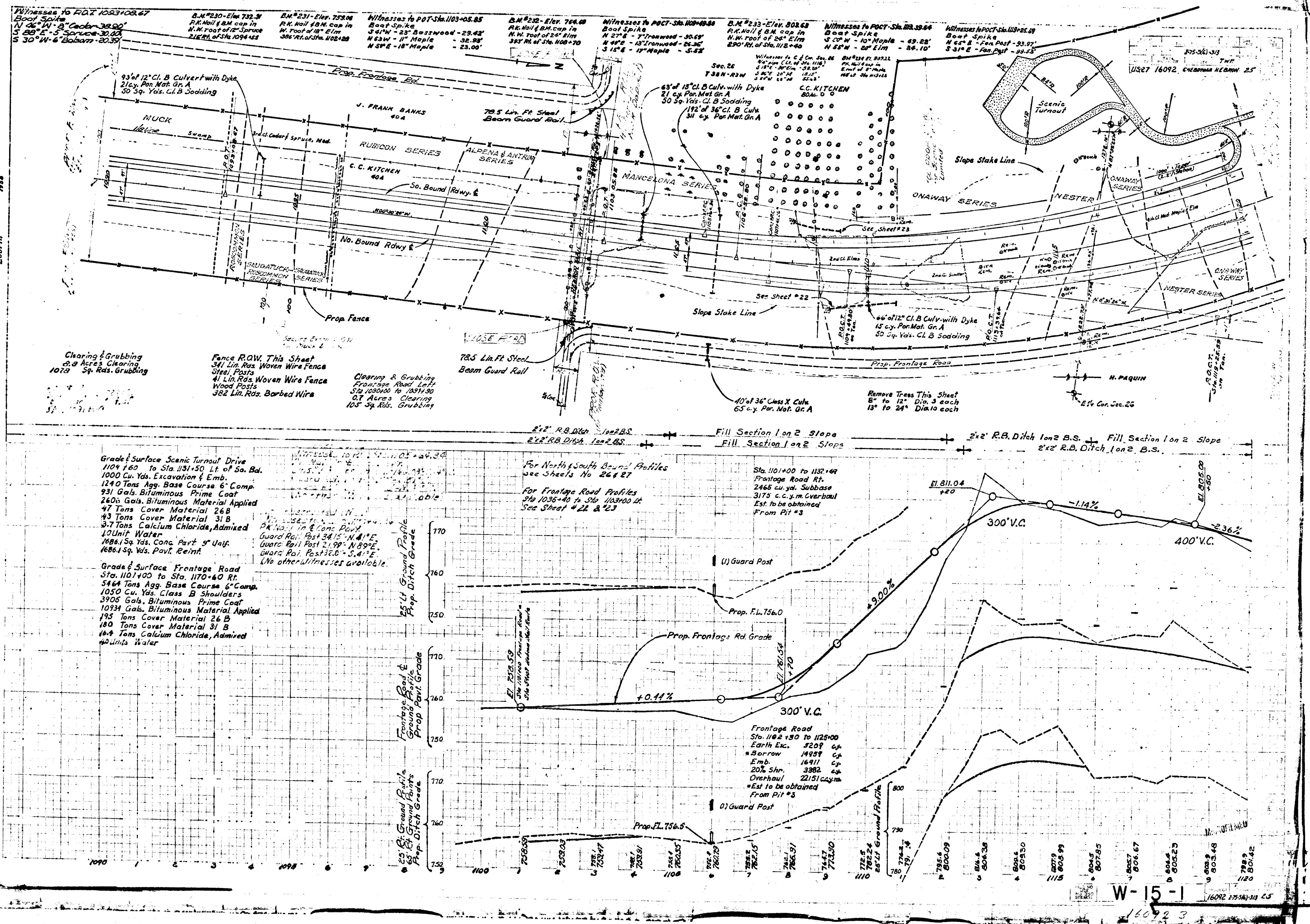


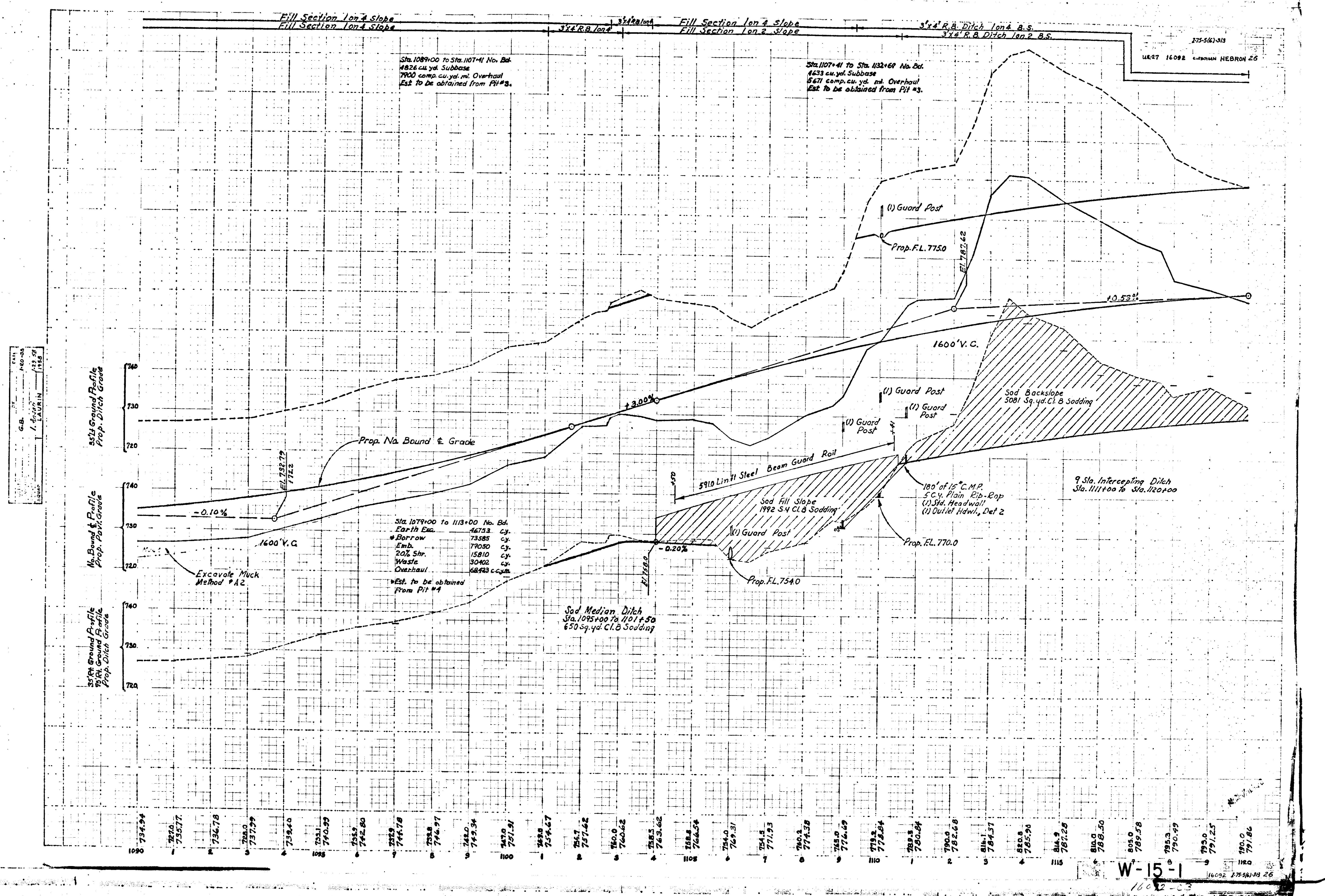


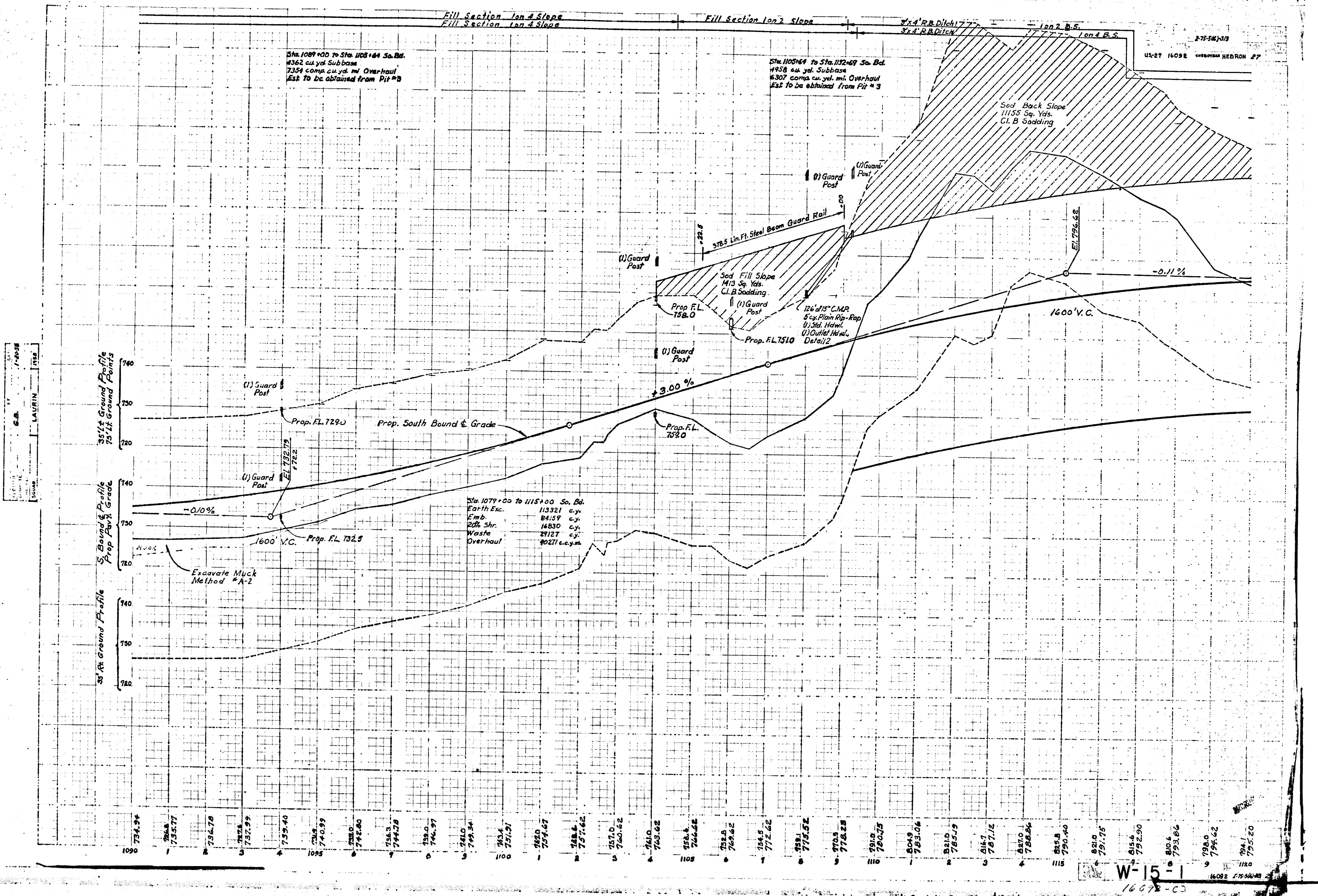
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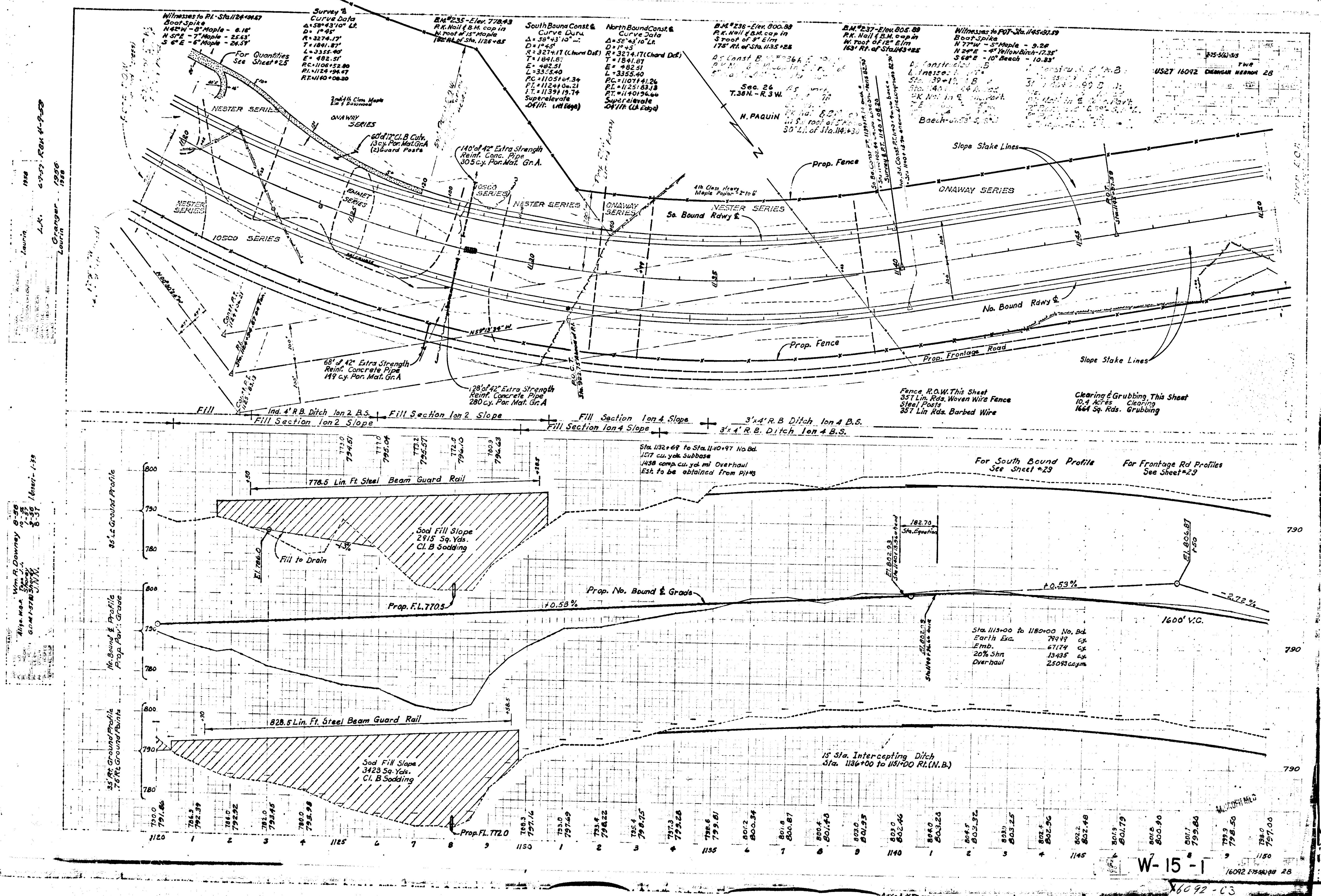
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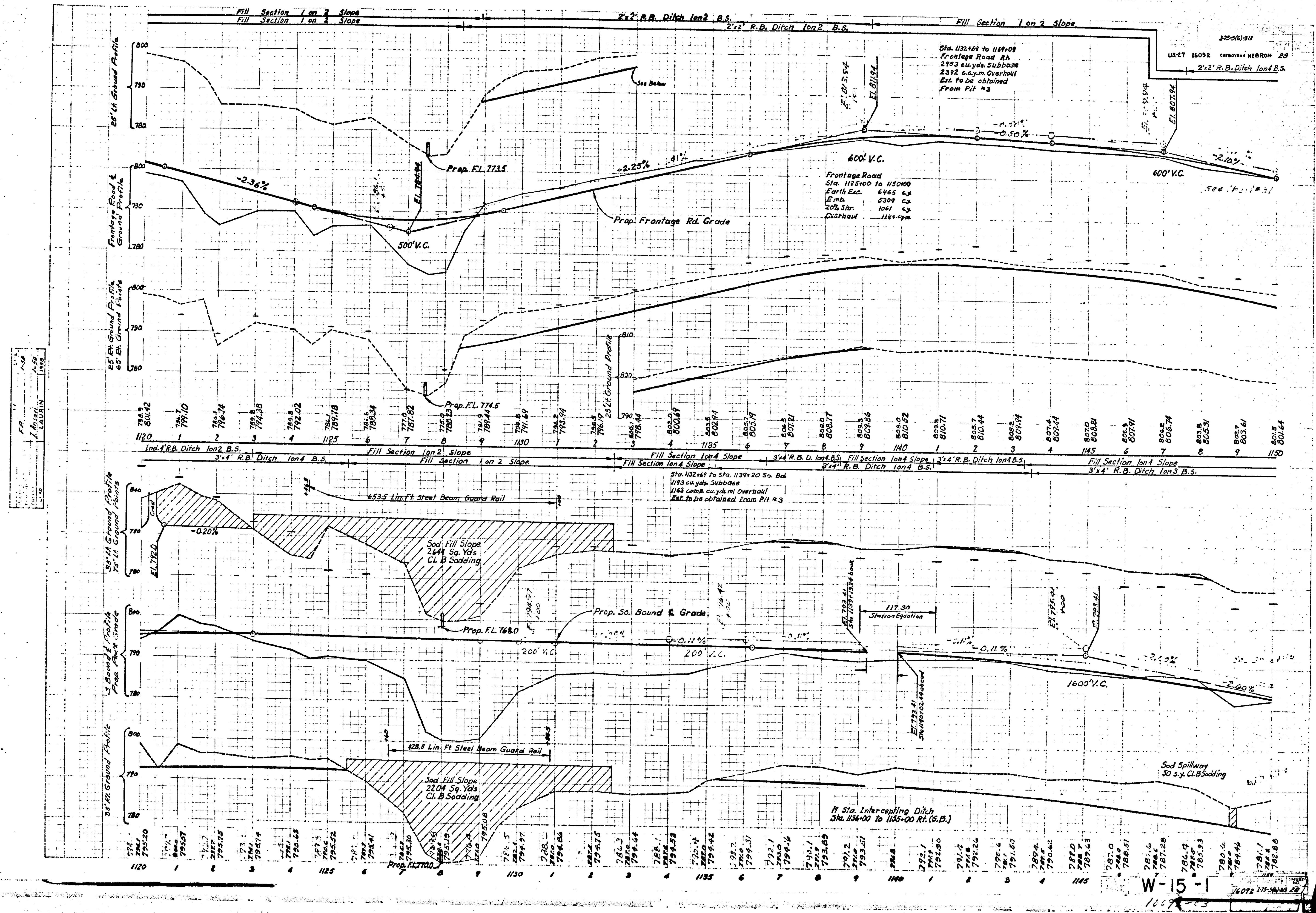
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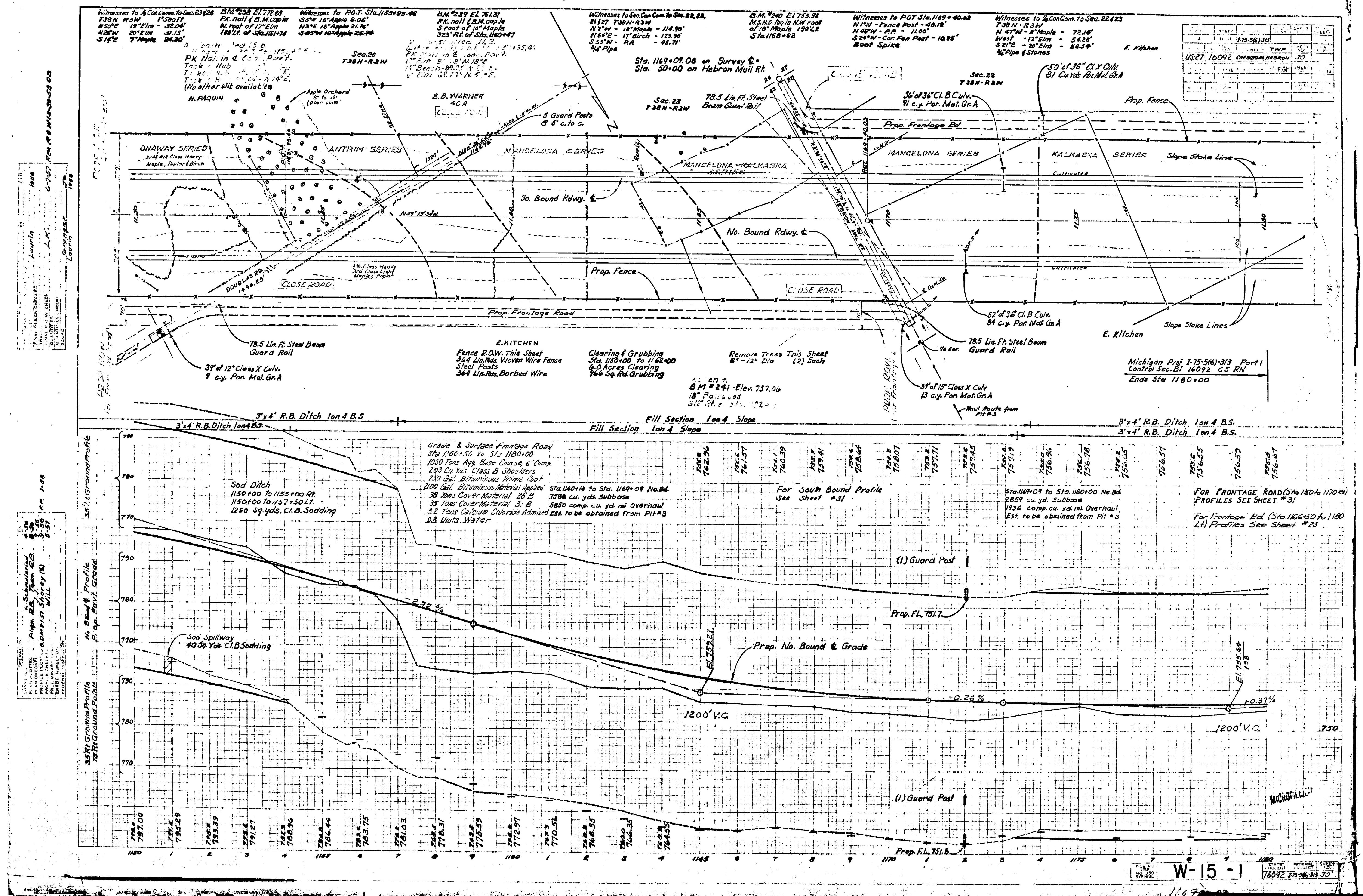


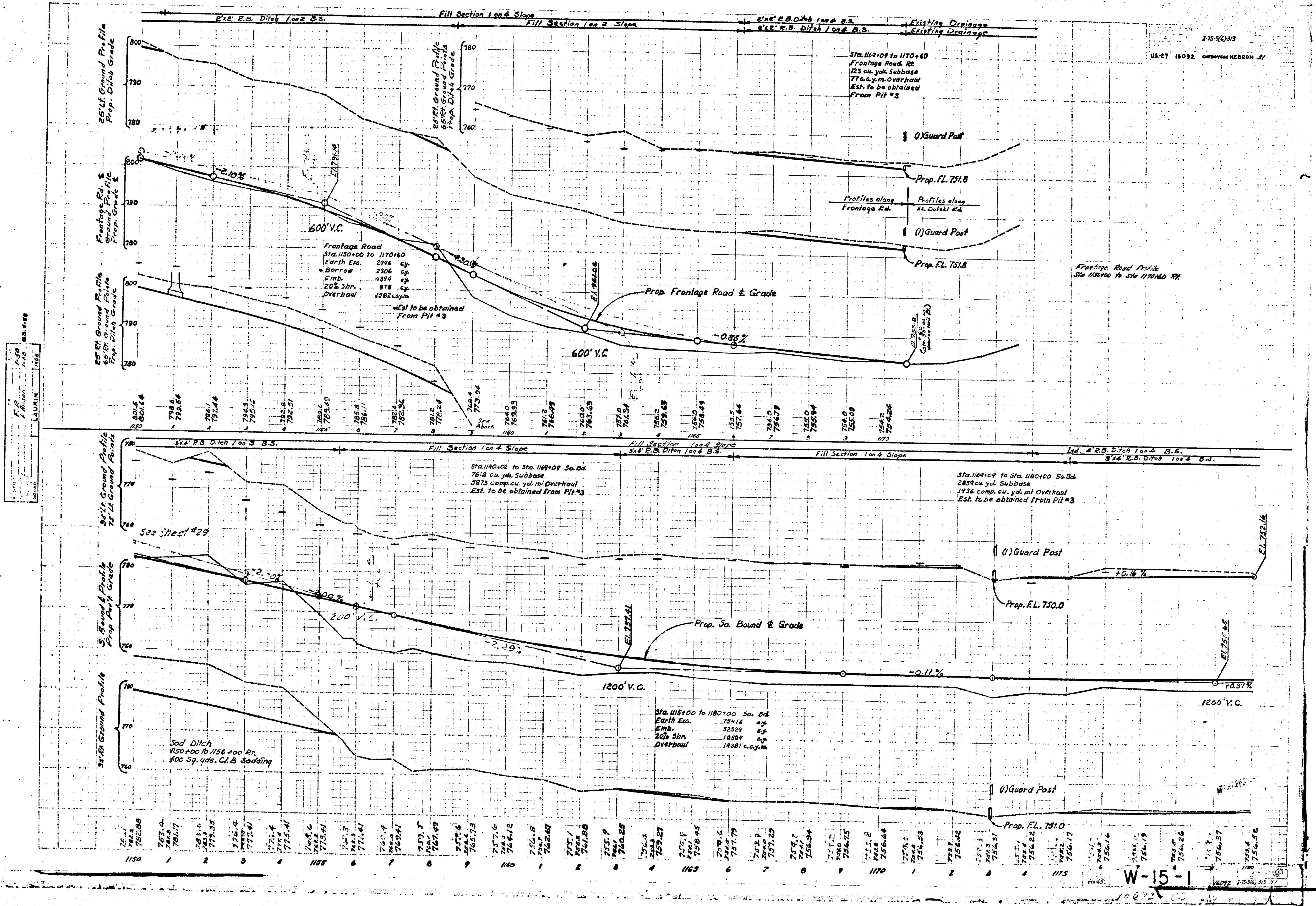






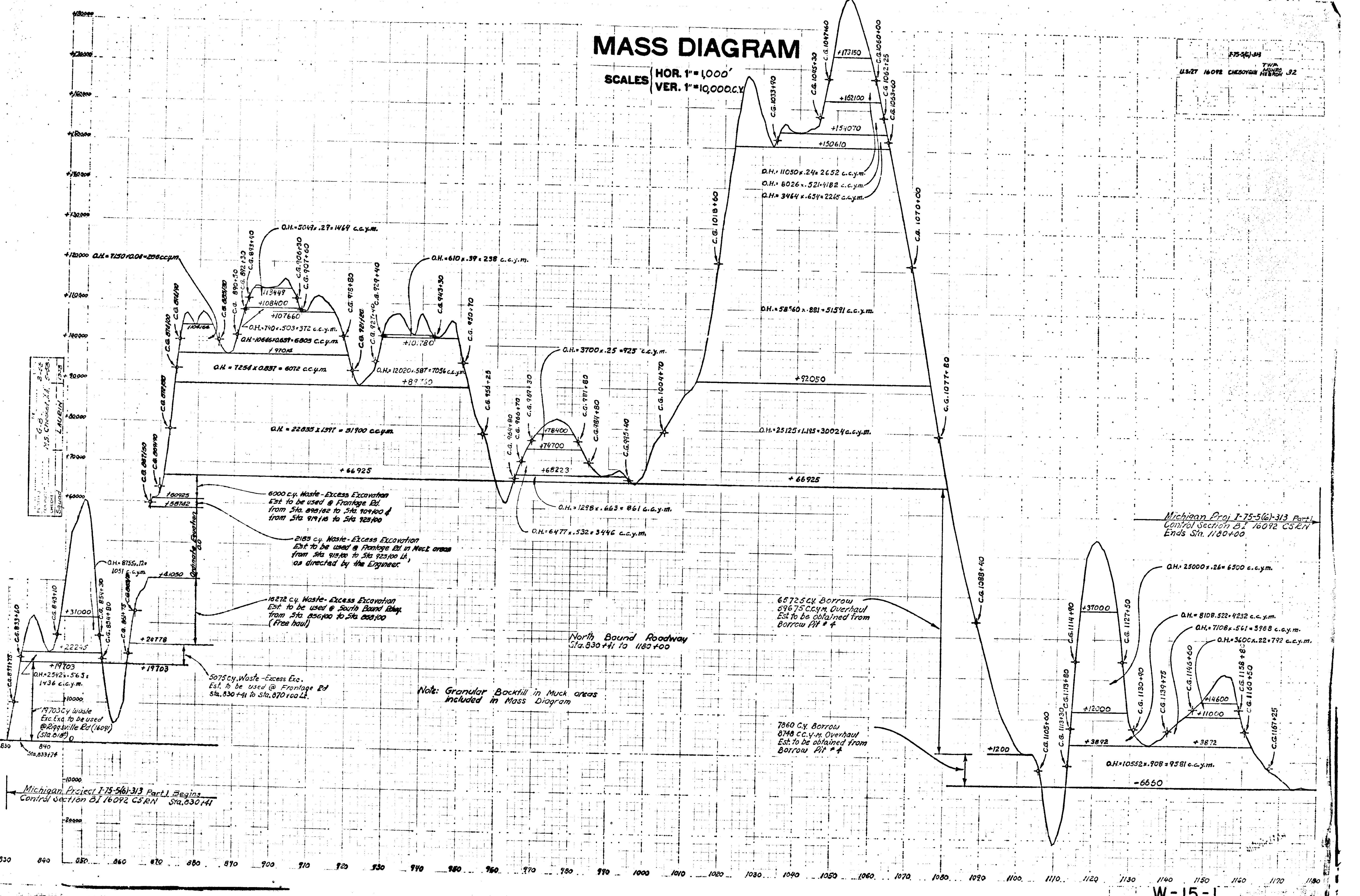


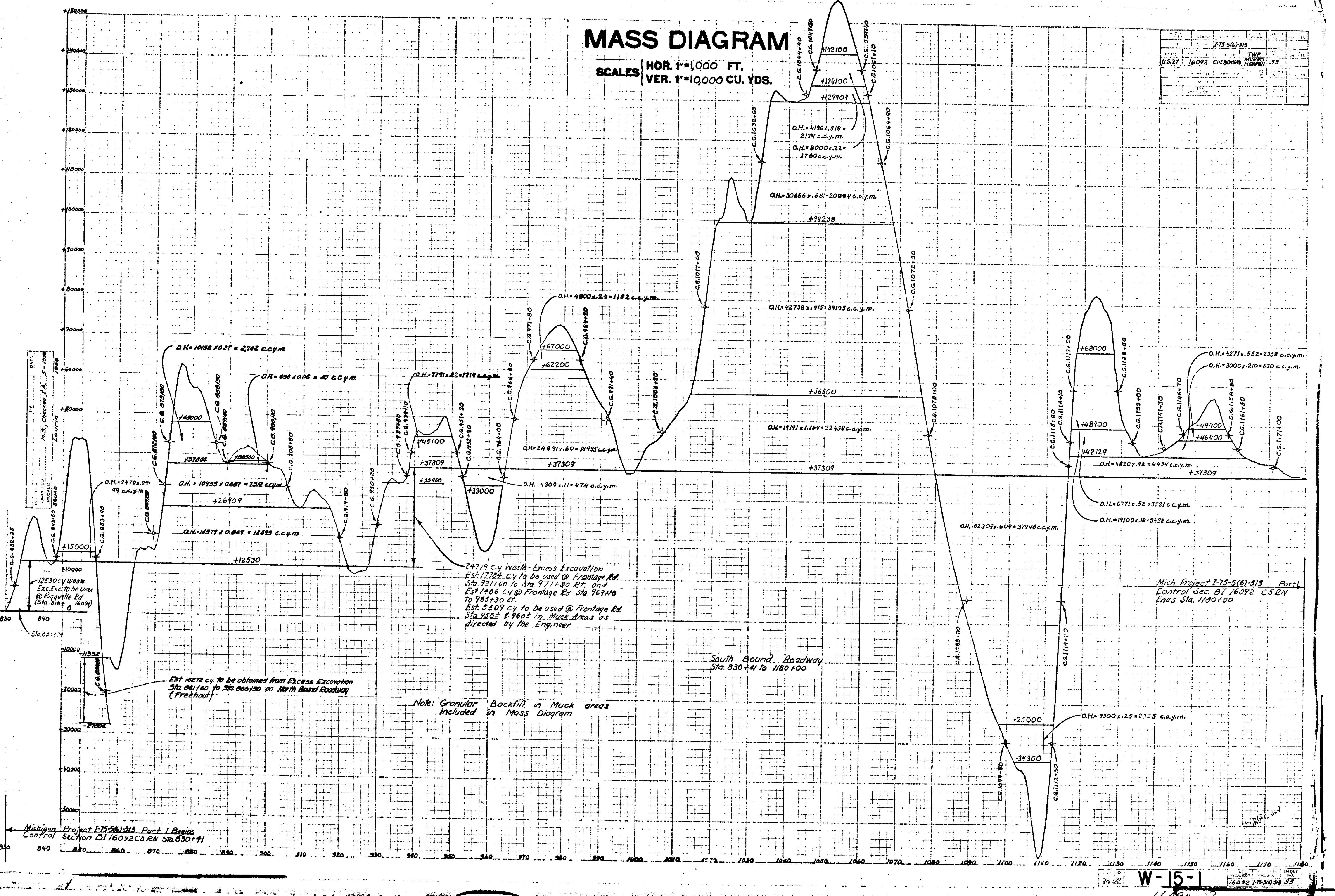




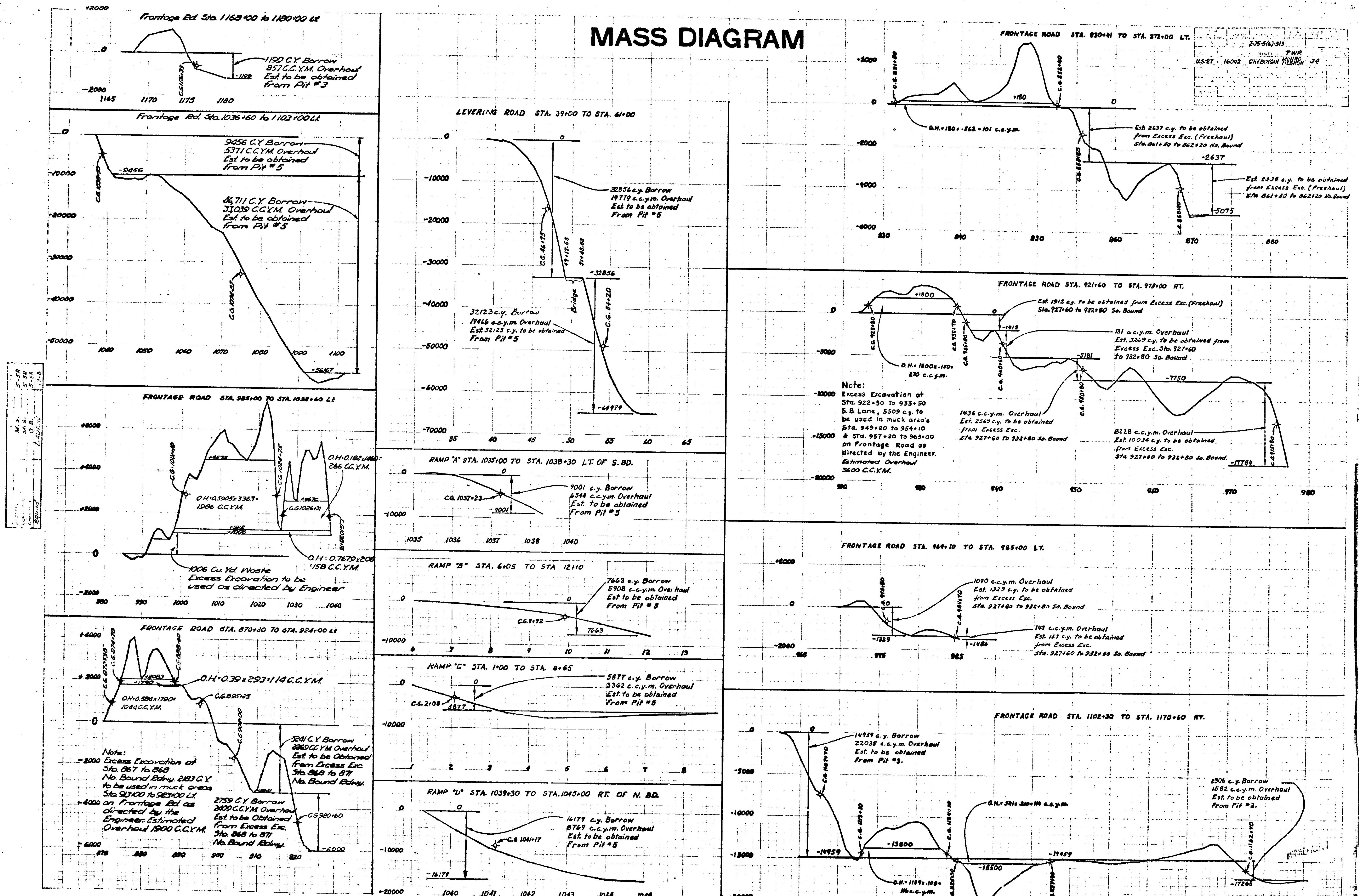
MASS DIAGRAM

SCALES **HOR. 1" = 1,000'**
 VER. 1" = 10,000.0.C.





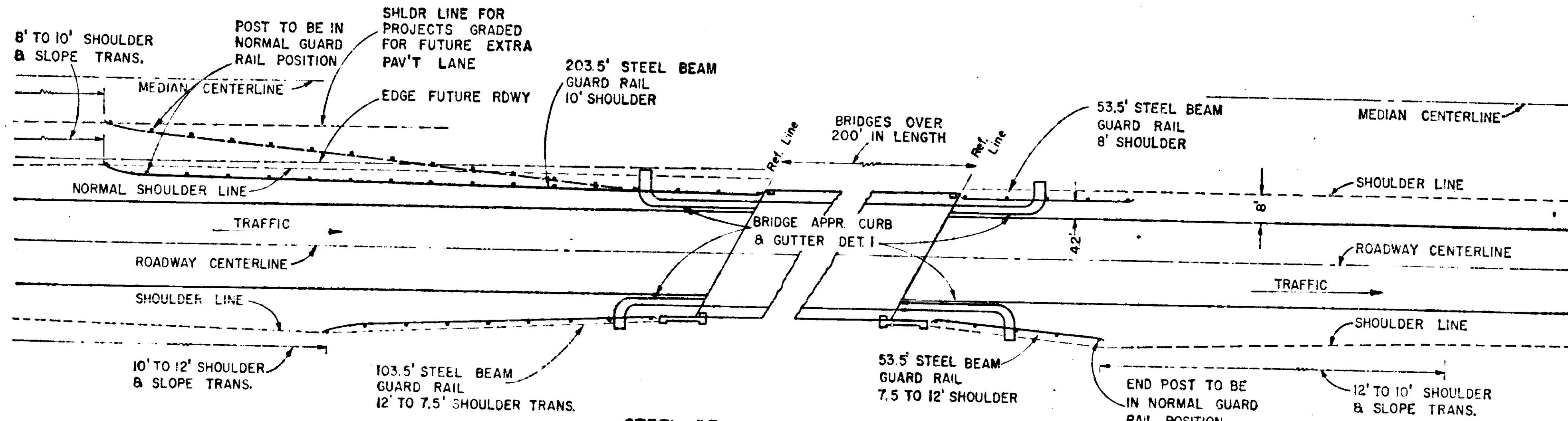
MASS DIAGRAM



W-15-1

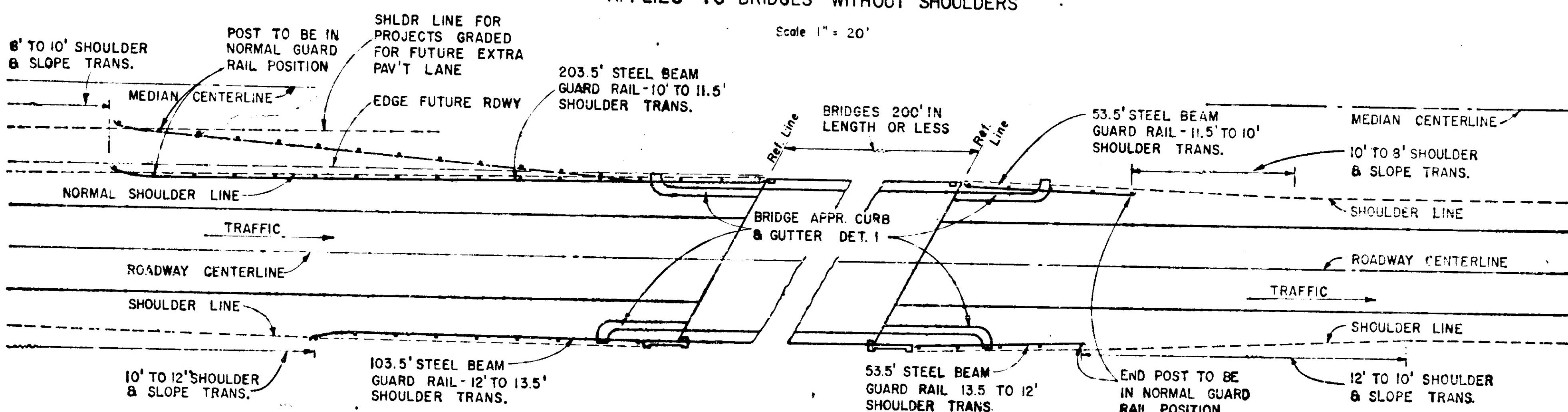
16092 775-6138 34

Route	State Proj.	Federal Proj.	Sheet No	Total Sheets
U.S. 27	16092	I-75-5(6)-3/3	35	



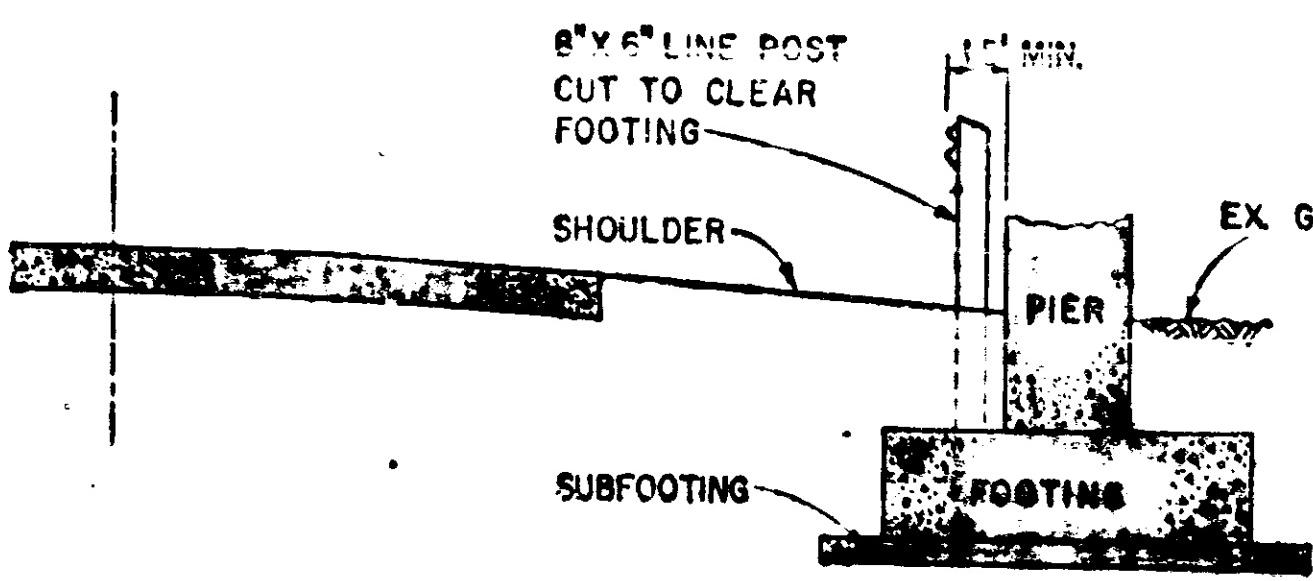
STEEL BEAM GUARD RAIL CONSTRUCTION
AT BRIDGE APPROACHES
APPLIES TO BRIDGES WITHOUT SHOULDERS

Scale 1" = 20'



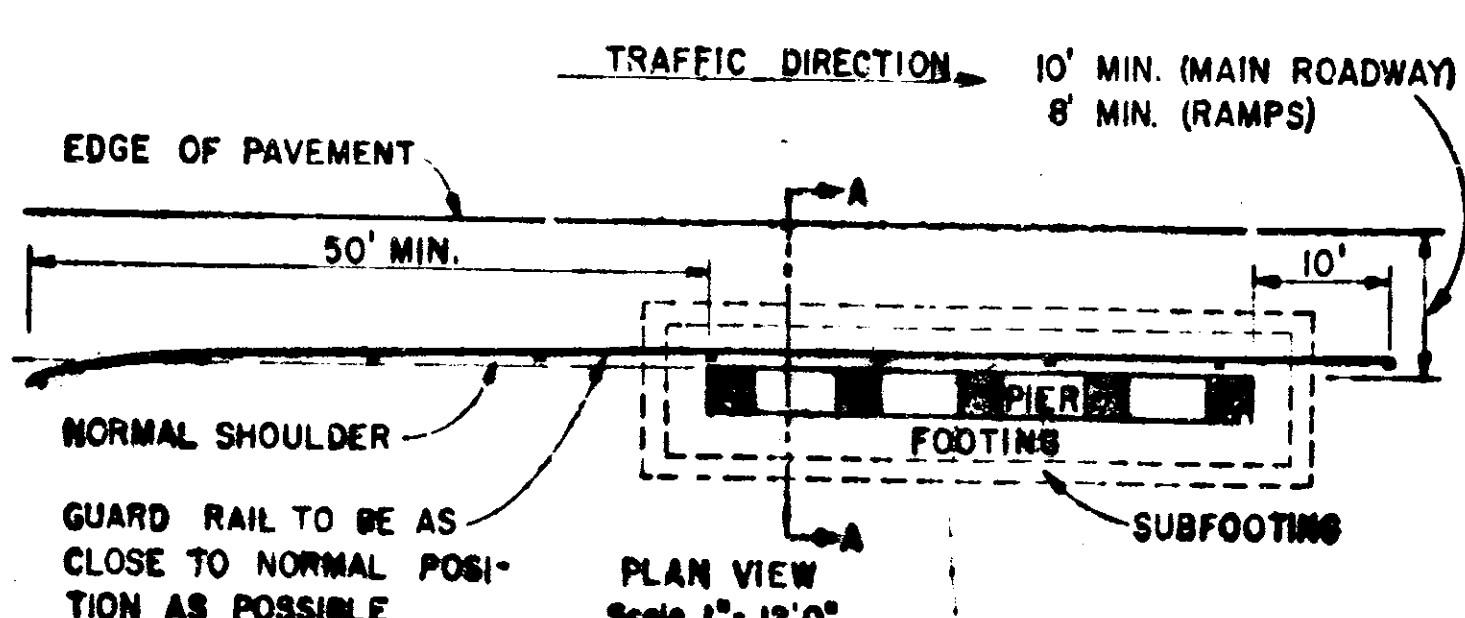
STEEL BEAM GUARD RAIL CONSTRUCTION
AT BRIDGE APPROACHES
APPLIES TO BRIDGES WITH SHOULDERS

Scale 1" = 20'

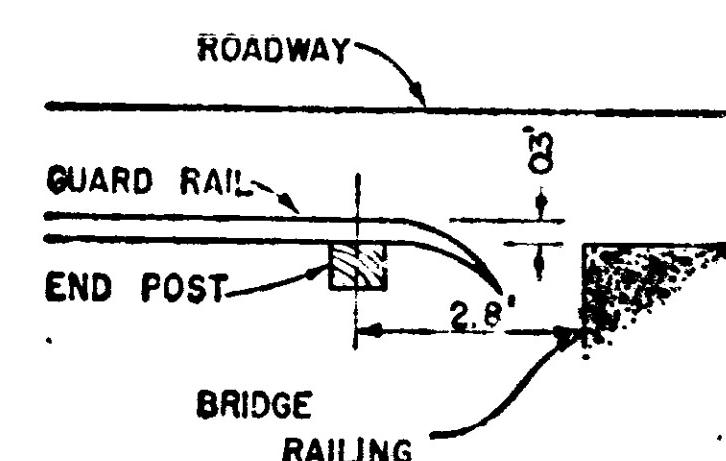


ELEVATION VIEW
SECTION A-A
Scale 1" = 40"

DETAIL SHOWING
STEEL BEAM GUARD RAIL PROTECTION AT PIERS
FOR ROADWAY UNDER BRIDGES



PLAN VIEW
Scale 1" = 12' 0"



DETAIL SHOWING END POST
FOR ROADWAY OVER BRIDGES
Scale 1/2" = 10'

PLAN NOTES:

THE LENGTH OF BRIDGE APPROACH CURB AND GUTTER SHALL BE VARIED TO LOCATE THE SPILLWAY CLEAR OF GUARD RAIL POSTS. THE SPILLWAY SHALL EXTEND TWO FEET BEYOND THE SHOULDER.

WHERE STEEL BEAM GUARD RAIL IS TO BE USED IN THE PROXIMITY OF BRIDGE APPROACH CURB AND GUTTER, THE SHOULDER SHALL BE SLOPED DOWN FROM THE CURB.

THE VERTICAL ALIGNMENT SHALL BE MODIFIED TO LOWER THE RAIL ELEMENT NEAREST THE BRIDGE 0.5' AND A STRAIGHT LINE TRANSITION USED TO THE FIFTH POST FROM THE BRIDGE, AT WHICH POINT THE RAIL ELEMENT SHALL BE NORMAL HEIGHT ABOVE GROUND.

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CURRENT MICHIGAN STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS.

CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD PLAN FOR STEEL BEAM GUARD RAIL.

MICHIGAN STATE HIGHWAY DEPARTMENT STANDARD PLAN FOR LOCATION OF GUARD RAIL AT STRUCTURES

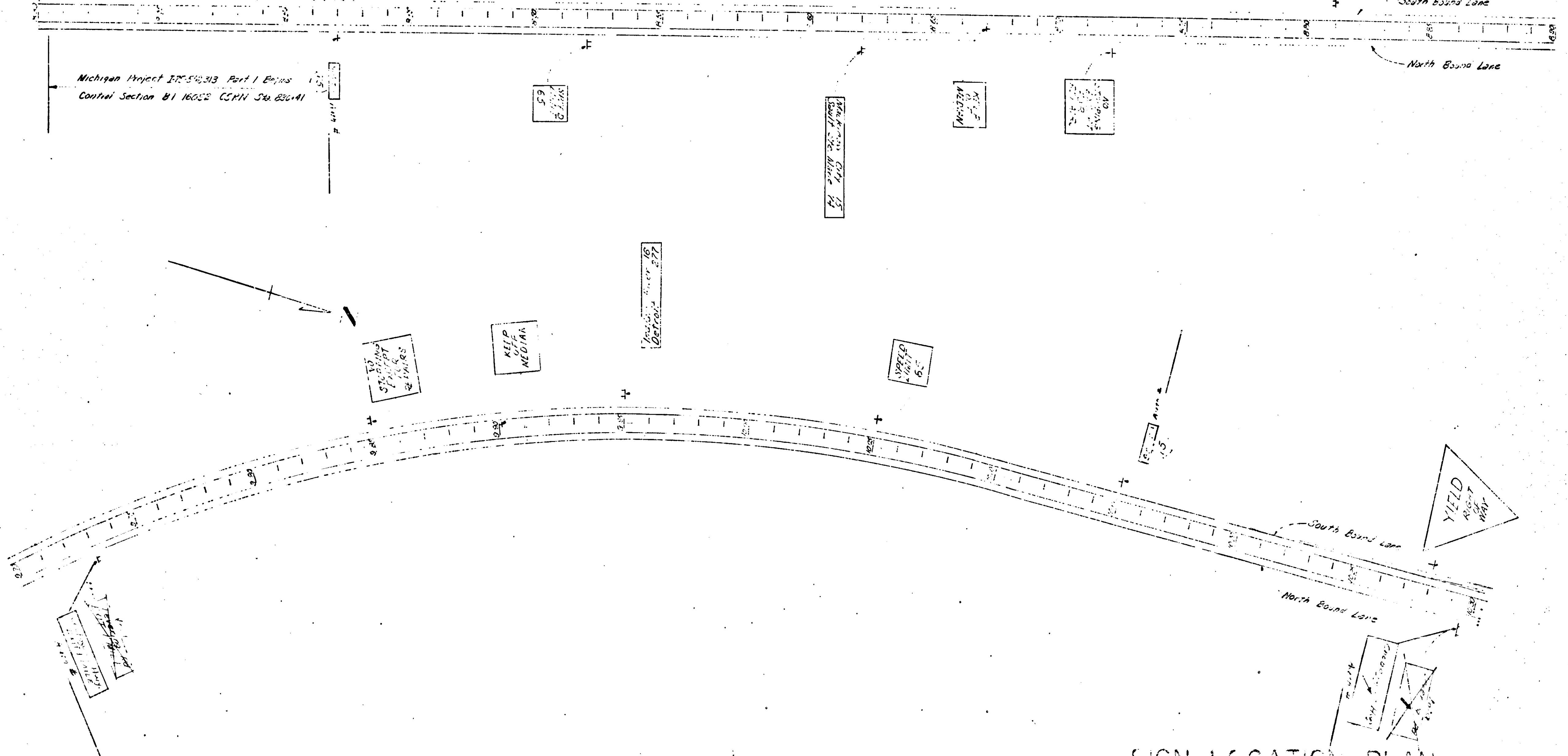
RECOMMENDED FOR APPROVAL	DESIGN AND TRAFFIC DIVISIONS	2-25-58
RECOMMENDED FOR APPROVAL	ENGINEER OF DESIGN	DATE
RECOMMENDED FOR APPROVAL	TRAFFIC ENGINEER	6-19-58
RECOMMENDED FOR APPROVAL	ENGINEER OF BRIDGE AND ROAD DESIGN	DATE

APPROVED	OFFICE OF ENGINEERING AND CONSTRUCTION	6-20-58
APPROVED	CONSTRUCTION ENGINEER	DATE
APPROVED	CHIEF ENGINEER	7-10-58

APPROVED JOHN C. MACKIE, STATE HIGHWAY COMMISSIONER	STATE HIGHWAY DEPARTMENT APPROVAL
BY: H. W. Estlin	APPROVED BY: H. W. Estlin
DEPUTY COMMISSIONER - ENGINEERING	DATE

DRAWN BY: RJM CHECKED BY: RHR TRACED BY: RJM APPROVED BY: RHM
Project No: 16092 Fed. Proj. No: I-75-5(6)-3/3 Sheet No: 35

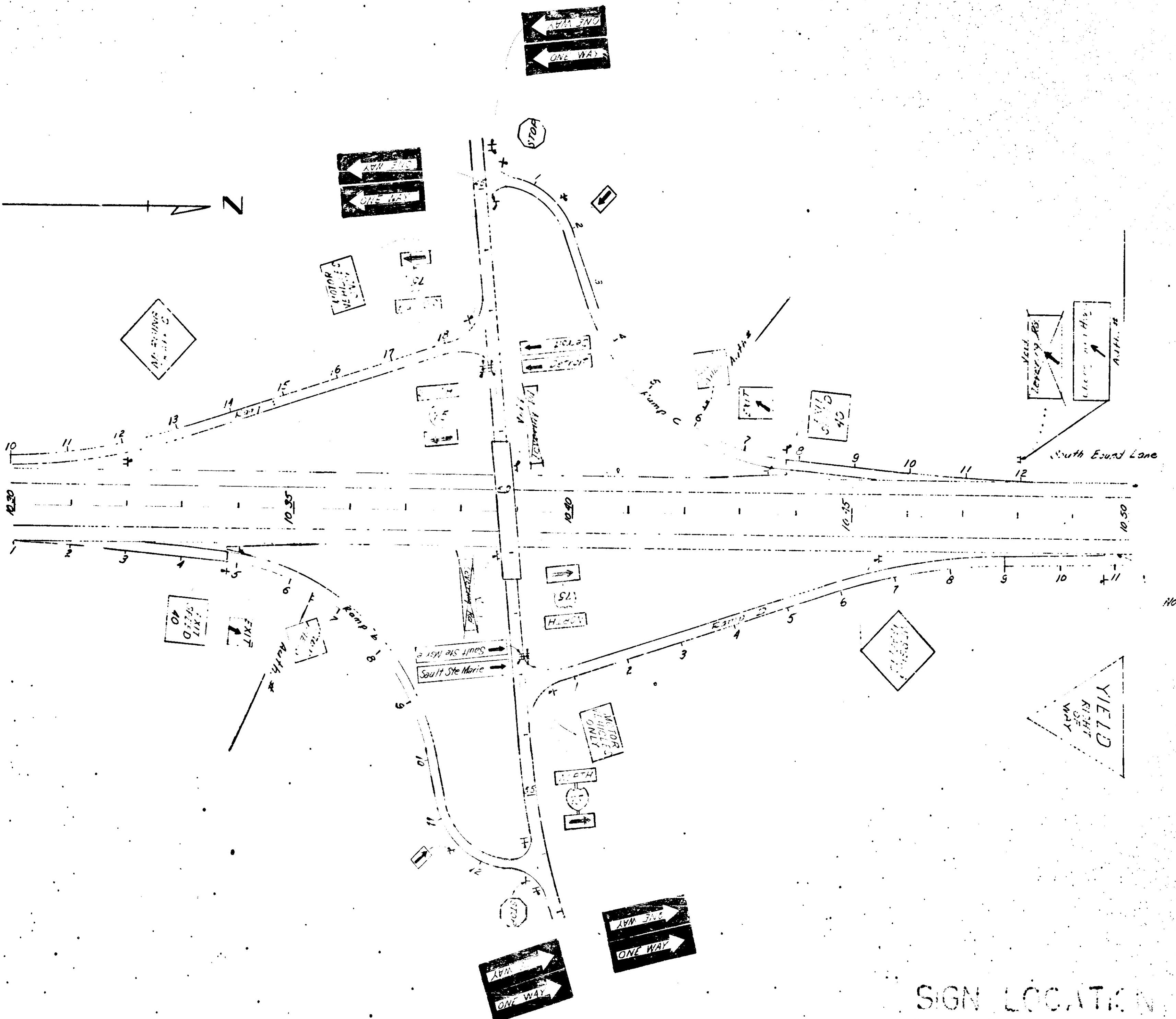
W-15-1



SIGN LOCATION PLAN

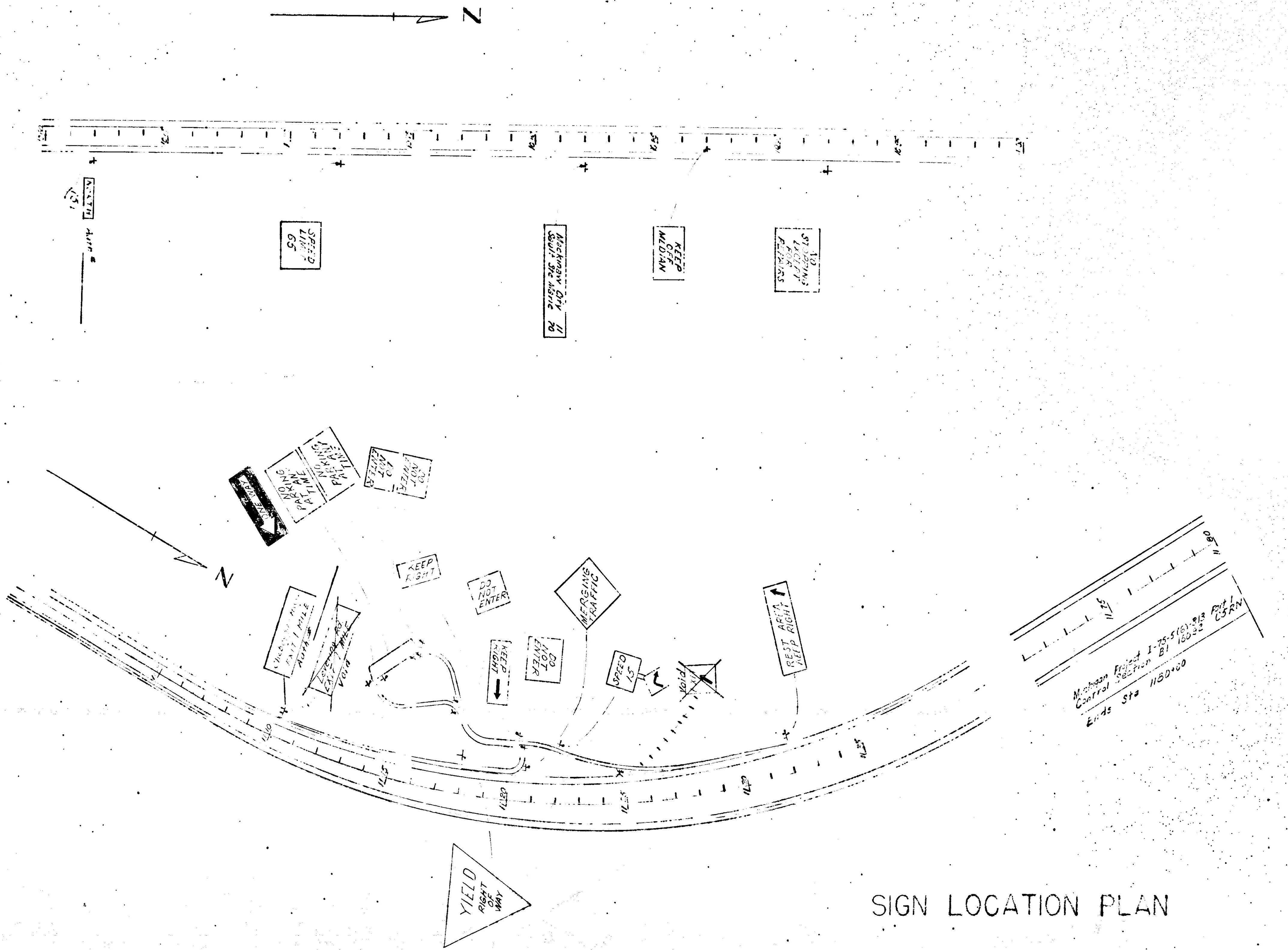
16092-C3

FILE NO. W-15-1 PROJECT NO. 16092 SHEET NO. 29



SIGN LOCATIONS PLAN

FILE NO. SERIAL NO. 350 STENCIL	W-15 - 1	STATE PROJECT 16092	FEDERAL PROJECT 12-700	SHEET NO. 60
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SIGN LOCATION PLAN

16092-C3
W-15-1
FILE NO.
REF ID:
DATE: 1985-08-06
16092-1775-50-38

QUANTITY SHEET -- SIGNS & SUPPORTS

ITEM

Item	Station	Qty.	Size (ft)	Size from No.	Number of Signs (each)	Number of Posts (each)	Cone Base (each)	Steel Rodless Support (each)	Std. Steel Type Unit:	Std. Head Steel Lbs. Sign 20 ft 10 ft. 6 in.	Type of Sign (by ft)	Type of Post (by ft)	Type of Steel Beam (by ft)
KITE OFF MEDIAN		3	4	SE-4						80			
N STOP EXCEPT FOR BUSES		5	4x5	SB-125						83			
LAW		2	6x5	SB-125						83			
MEETING TRAFFIC		3	4x4	SE-125						97			
SPEED LIMIT 55		3	4x5	SE-125						99			
STOP		2	3x5	SE-2						99			
MOTOR CYCLE		2	20x25	SB-125						100			
ONE WAY		4	3	SE-2						100			
ONE WAY		5	3x5	SB-125						100			
ONE WAY		4	20x25	SE-2						100			
ONE WAY		2	3x5	SE-2						100			
ONE WAY		3	3x5	SE-2						100			
ONE WAY		4	3x2	SH-35						100			
ONE WAY		2	20x25	SB-125						100			
ONE WAY		2	20x5	SB-125						100			
ONE WAY		2	3x3	SP-2106						100			
ONE WAY		10											
CHOCOLATE CHIP COOKIES		2											
W-15-1													
FILE NO. 16092 105-101-12													
STATE PROJECT NO. 16092 105-101-12													
W-15-1													

1692035

QUANTITY SHEET — SIGNS & SUPPORTS

Item	Station	Quantity	Size (in)	Spec Plan	Aluminum Alloy Overhead Sign Supports Structures (each)										Steel Cantilever Supports (each)	Steel Roadside Supports (each)	Std. Steel Pipes (in ft)	Std. Heavy Steel/Sign Post Post	Delineators (each)	Type A Sign Face (sq ft)	Type B Sign Face (sq ft)	Type C Sign Face (sq ft)	Type D Sign Face (sq ft)	Steel Beam Guard Rail (lin ft)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
50 ft	55 ft	60 ft	65 ft	70 ft	75 ft	80 ft	85 ft	90 ft	95 ft	100 ft	Conc. Base (each)	8810-B1150 (cong)	Conc. Base (each)	2 in	2 1/2 in	3 in	3 1/2 in	4 in	4 1/2 in	5 in	5 1/2 in	6 in	6 1/2 in	7 in	7 1/2 in	8 in	8 1/2 in	9 in	9 1/2 in	10 in	10 1/2 in	11 in	11 1/2 in	12 in	12 1/2 in	13 in	13 1/2 in	14 in	14 1/2 in	15 in	15 1/2 in	16 in	16 1/2 in	17 in	17 1/2 in	18 in	18 1/2 in	19 in	19 1/2 in	20 in	20 1/2 in	21 in	21 1/2 in	22 in	22 1/2 in	23 in	23 1/2 in	24 in	24 1/2 in	25 in	25 1/2 in	26 in	26 1/2 in	27 in	27 1/2 in	28 in	28 1/2 in	29 in	29 1/2 in	30 in	30 1/2 in	31 in	31 1/2 in	32 in	32 1/2 in	33 in	33 1/2 in	34 in	34 1/2 in	35 in	35 1/2 in	36 in	36 1/2 in	37 in	37 1/2 in	38 in	38 1/2 in	39 in	39 1/2 in	40 in	40 1/2 in	41 in	41 1/2 in	42 in	42 1/2 in	43 in	43 1/2 in	44 in	44 1/2 in	45 in	45 1/2 in	46 in	46 1/2 in	47 in	47 1/2 in	48 in	48 1/2 in	49 in	49 1/2 in	50 in	50 1/2 in	51 in	51 1/2 in	52 in	52 1/2 in	53 in	53 1/2 in	54 in	54 1/2 in	55 in	55 1/2 in	56 in	56 1/2 in	57 in	57 1/2 in	58 in	58 1/2 in	59 in	59 1/2 in	60 in	60 1/2 in	61 in	61 1/2 in	62 in	62 1/2 in	63 in	63 1/2 in	64 in	64 1/2 in	65 in	65 1/2 in	66 in	66 1/2 in	67 in	67 1/2 in	68 in	68 1/2 in	69 in	69 1/2 in	70 in	70 1/2 in	71 in	71 1/2 in	72 in	72 1/2 in	73 in	73 1/2 in	74 in	74 1/2 in	75 in	75 1/2 in	76 in	76 1/2 in	77 in	77 1/2 in	78 in	78 1/2 in	79 in	79 1/2 in	80 in	80 1/2 in	81 in	81 1/2 in	82 in	82 1/2 in	83 in	83 1/2 in	84 in	84 1/2 in	85 in	85 1/2 in	86 in	86 1/2 in	87 in	87 1/2 in	88 in	88 1/2 in	89 in	89 1/2 in	90 in	90 1/2 in	91 in	91 1/2 in	92 in	92 1/2 in	93 in	93 1/2 in	94 in	94 1/2 in	95 in	95 1/2 in	96 in	96 1/2 in	97 in	97 1/2 in	98 in	98 1/2 in	99 in	99 1/2 in	100 in	100 1/2 in	101 in	101 1/2 in	102 in	102 1/2 in	103 in	103 1/2 in	104 in	104 1/2 in	105 in	105 1/2 in	106 in	106 1/2 in	107 in	107 1/2 in	108 in	108 1/2 in	109 in	109 1/2 in	110 in	110 1/2 in	111 in	111 1/2 in	112 in	112 1/2 in	113 in	113 1/2 in	114 in	114 1/2 in	115 in	115 1/2 in	116 in	116 1/2 in	117 in	117 1/2 in	118 in	118 1/2 in	119 in	119 1/2 in	120 in	120 1/2 in	121 in	121 1/2 in	122 in	122 1/2 in	123 in	123 1/2 in	124 in	124 1/2 in	125 in	125 1/2 in	126 in	126 1/2 in	127 in	127 1/2 in	128 in	128 1/2 in	129 in	129 1/2 in	130 in	130 1/2 in	131 in	131 1/2 in	132 in	132 1/2 in	133 in	133 1/2 in	134 in	134 1/2 in	135 in	135 1/2 in	136 in	136 1/2 in	137 in	137 1/2 in	138 in	138 1/2 in	139 in	139 1/2 in	140 in	140 1/2 in	141 in	141 1/2 in	142 in	142 1/2 in	143 in	143 1/2 in	144 in	144 1/2 in	145 in	145 1/2 in	146 in	146 1/2 in	147 in	147 1/2 in	148 in	148 1/2 in	149 in	149 1/2 in	150 in	150 1/2 in	151 in	151 1/2 in	152 in	152 1/2 in	153 in	153 1/2 in	154 in	154 1/2 in	155 in	155 1/2 in	156 in	156 1/2 in	157 in	157 1/2 in	158 in	158 1/2 in	159 in	159 1/2 in	160 in	160 1/2 in	161 in	161 1/2 in	162 in	162 1/2 in	163 in	163 1/2 in	164 in	164 1/2 in	165 in	165 1/2 in	166 in	166 1/2 in	167 in	167 1/2 in	168 in	168 1/2 in	169 in	169 1/2 in	170 in	170 1/2 in	171 in	171 1/2 in	172 in	172 1/2 in	173 in	173 1/2 in	174 in	174 1/2 in	175 in	175 1/2 in	176 in	176 1/2 in	177 in	177 1/2 in	178 in	178 1/2 in	179 in	179 1/2 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